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ACIDIC PRECIPITATION IN ONTARIO STUDY

1982 DAILY AMBIENT AIR CONCENTRATION LISTINGS

ARB-75-84-ARSP

API 004/84

March 1984

Ontario
Ministry of the Environment

The Honourable
Andrew S. Brandt
Minister

Brock A. Smith
Deputy Minister

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Special Studies Unit
Atmospheric Research and Special Programs Section
Ontario Ministry of the Environment
Air Resources Branch
880 Bay Street, 4th Floor
Toronto, Ontario
Canada, M5S 1Z8

March 1984

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A.P.I.O.S. Coordination Office
Ontario Ministry of the Environment
6th Floor, 40 St. Clair Avenue West
Toronto, Ontario
Canada, M4V 1P5
Project Co-ordinator: Dr. T. Brydges

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This report was prepared by Richard Kirk and Walter Chan of the APIOS Atmospheric Deposition and Chemistry Program. However, the data themselves are a product of the combined efforts of many individuals. Collection of air filter samples was coordinated by the APIOS environmental technicians Steve Elliott (in Southwestern Region), David Allcock and Paul Kehoe (in Southeastern Region), Wim Smits (in Northwestern Region) and J. P. Varto (in Central Region). Sample handling was carried out by Daniel Orr and Liane Skelton, and overall network coordination by Bill Bardswick of the Air Resources Branch. Chemical Analayses were performed at the Laboratory Services Branch under the coordination of Frank Tomassini. All enquiries regarding the reported data should be directed to Walter Chan, the APIOS Atmospheric Deposition and Chemistry Program Leader (416) 965-1634.

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PART I

INTRODUCTION

INTRODUCTION

The data listed herein are a summary of the 1982 results acquired from the APIOS daily ambient air sampling network. Collection of daily ambient air samples began in the Southwestern Region (Longwoods) on March 3, 1981; in the Central Region (Dorset) on July 25, 1980; in the Southeastern Region (Charleston Lake) on March 23, 1981; and in the Northwestern Region (Fernberg) on October 2, 1981. All data presented in this report have been screened for validity. Remarks and qualifications have been appended to records, and/or results where necessary. The screening procedure involves the application of gross limit checks by comparing each analytical result with a calculated upper limit. Gross limit checks were applied to the results. Upper limits were determined as M + 2S where median (M) and scale (S) represent robust estimates of mean and standard deviation respectively. Scale of the distribution was estimated from interquartile distance, i.e. S=0.74 (3rd Quartile - 1st Quartile) based upon logarithmicly transformed results. In a situation where the distribution is significantly bounded by reported detection limits, S may be estimated as follows, S=1.48 (3rd Quartile - 2nd Quartile). All lower gross limits were specified as zero. Upper limits were calculated for each region. Also, the structure of each sample was examined by conducting a principal components analysis and plotting each sample's scores (PC I vs PC II)[1]. Samples that were determined to be obvious outliers were flagged as unreliable.

The sampler utilized for daily air sampling is the Metrex Sequential Air Sampler type SAS 8-25. The sampler is loaded once weekly with 7 active filter packs and 1 passive filter pack. Each active filter pack is exposed for 24 hours beginning at 0700 h EST and terminating at 0700 h EST next day. The passive filter pack is for blank correction. Sampling details are described in another document[2].

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1 Harris, R.J. (1975). A Primer of Multivariate Statistics. Academic Press, New York, 332 pp.

2 Chan, W.H., Orr, D.B. and Vet, R.J. (1982). Acidic Precipitation in Ontario Study - An Overview: The Event Wet/Dry Deposition Network. Ontario Ministry of the Environment Report #ARB-11-82-ARSP.

Station Identification

The station identification is defined by four descriptive fields (e.g. - Dorset/Daily/Sequential #2). The first field refers to the sampling location. The second and third fields describe the sampling interval and the instrumentation used respectively. The last numeric field refers to the index code utilized on the location map.

Daily Ambient Air Concentration Listings

All analytical results presented in this report were corrected for passive loadings unless otherwise specified. If a passive result is reported as a detection limit then a value corresponding to one half the detection limit is utilized for passive correction. If the passive result is equal to or exceeds the active result then a zero is reported. Each filter pack is loaded with a teflon filter, a nylon filter and a pair of Whatman 41 filters with the first two filter types being upstream and the last filter type being downstream. The teflon filter is analysed for particulate $SO_4^=$, NO_3^- and NH_4^+. The nylon filter is analysed for gaseous HNO_3 and the Whatman 41 filter (impregnated with K_2CO_3 - glycerol) is analysed for gaseous SO_2. The reported parameter "TOTL NO3" represents total nitrates and is calculated by the summation of N-HNO_3 and N-NO_3. If a detection limit is encountered in the calculation of "TOTL NO3" then a value corresponding to one half the detection limit is utilized. In the presented data listings the parameter "NITRIC" represents nitric acid. Remark codes (e.g. - U, A) appended to individual results are defined in a later section.

Field Comment Code Index

A - Sampler malfunction
B - Known hydro failure
C - Suspected hydro failure
D - Known filter pack leak
E - Suspected filter pack leak
F - Gasmeter not equal to rotameter
G - Flow line problems
H - Known contamination
I - Suspected contamination
J - Heavy dew or fog
K - Sample not submitted

Office Comment Code Index

F - Data invalidated - flow volume rate less than 10,000 litres per day

P - Passive missing - average passive results used as blank correction

Z - Abnormal sampling period

X - Sample lost

Result Remark Code Index

> - actual result greater than value reported

< - actual result less than value reported

<T - actual result less than criterion of detection

<W - no response, minimum possible result reported

A - approximate value

U - unreliable result

P - not corrected for passive

<P - not corrected for passive - reported value is a detection limit

PART II

STATION DESCRIPTION AND LOCATION MAP

STATION LOCATION MAP

DAILY AMBIENT AIR MONITORING NETWORK

MAP REF. NUMBER	STATION NAME	MOE REGION	ELEVATION (m)	LATITUDE NORTH	LONGITUDE WEST	UTM COORDINATES NORTHING	UTM COORDINATES EASTING
01	Longwoods	Southwestern	239	42°53'	81°29'	4747850	460700
02	Dorset	Central	320	45°13'	78°56'	5009600	662450
03	Charleston Lake	Southeastern	92	44°30'	76°03'	4927500	417150
04	Fernberg	Northwestern	506	47°50'	91°52'	5316000	585000

PART III

SOUTHWESTERN REGION DAILY AMBIENT AIR CONCENTRATION RESULTS

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/AIR #01 PAGE : 1

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
JAN 2.82	DEC 31.81	700	700	1	49590.0	15296	2	1		7
JAN 3.82	JAN 2.82	700	700	1	27920.0	15297	2	1		
JAN 4.82	JAN 3.82	700	700	1	22900.0	15298	2	1		
JAN 5.82	JAN 4.82	700	700	1	26560.0	15299	2	1		
JAN 6.82	JAN 5.82	700	700	1	28060.0	15302	2	1		
JAN 7.82	JAN 6.82	700	700	1	24980.0	15303	2	1		
JAN 8.82	JAN 7.82	700	700	1	28710.0	15304	2	1		
JAN 9.82	JAN 8.82	700	700	1	28920.0	15305	2	1		
JAN 10.82	JAN 9.82	700	700	1	29130.0	15306	2	1		
JAN 12.82	JAN 10.82	700	1120	1	61070.0	15307	2	1		7
JAN 14.82	JAN 12.82	700	700	1	49350.0	15310	2	1		7
JAN 15.82	JAN 14.82	700	700	1	24910.0	15311	2	1		
JAN 16.82	JAN 15.82	700	700	1	27240.0	15312	2	1		
JAN 17.82	JAN 16.82	700	700	1	28500.0	15313	2	1		
JAN 18.82	JAN 17.82	700	700	1	28840.0	15314	2	1		
JAN 19.82	JAN 18.82	700	700	1	********	15317	2	1		X
JAN 23.82	JAN 19.82	700	700	1	113270.0	15315	2	1	A	7
JAN 24.82	JAN 23.82	700	700	1	25030.0	15319	2	1		
JAN 25.82	JAN 24.82	700	700	1	27730.0	15320	2	1		
JAN 26.82	JAN 25.82	700	700	1	280.0	15321	2	1	G	F
JAN 27.82	JAN 26.82	1115	700	1	21840.0	15322	2	1		
JAN 28.82	JAN 27.82	700	700	1	25690.0	15327	2	1		
JAN 29.82	JAN 28.82	700	700	1	28140.0	15328	2	1		
JAN 30.82	JAN 29.82	700	700	1	28360.0	15329	2	1		
JAN 31.82	JAN 30.82	700	700	1	27210.0	15330	2	1		
FEB 1.82	JAN 31.82	700	700	1	29310.0	15331	2	1		
FEB 2.82	FEB 1.82	700	700	1	29640.0	15332	2	1		
FEB 3.82	FEB 2.82	700	700	1	27820.0	15334	2	1		
FEB 4.82	FEB 3.82	700	700	1	24310.0	15335	2	1	I	
FEB 5.82	FEB 4.82	700	700	1	27370.0	15336	2	1		
FEB 6.82	FEB 5.82	700	700	1	27880.0	15337	2	1		
FEB 7.82	FEB 6.82	700	700	1	28210.0	15338	2	1		
FEB 8.82	FEB 7.82	700	700	1	28180.0	15339	2	1		
FEB 9.82	FEB 8.82	700	700	1	27460.0	15340	2	1	I	
FEB 10.82	FEB 9.82	700	700	1	28220.0	15342	2	1	I	
FEB 11.82	FEB 10.82	700	700	1	28410.0	15343	2	1	I	
FEB 12.82	FEB 11.82	700	700	1	27590.0	15344	2	1		
FEB 13.82	FEB 12.82	700	700	1	26510.0	15345	2	1	I	
FEB 14.82	FEB 13.82	700	700	1	26280.0	15346	2	1		
FEB 16.82	FEB 14.82	700	700	1	52680.0	15347	2	1	H	7

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/AIR #01

REMOVAL DATE	EXPOSURE DATE		SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3		TOTL NO3 AS N UG/M**3
JAN 2.82	DEC 31.81		18.78		3.08		0.23		0.861		0.35		0.58
JAN 3.82	JAN 2.82		32.38		3.50		0.15		0.473		0.59		0.74
JAN 4.82	JAN 3.82		12.23		4.75		0.64		1.393		0.12		0.77
JAN 5.82	JAN 4.82		8.06		2.47		0.22		0.685		0.11		0.33
JAN 6.82	JAN 5.82	>	20.56		3.23		0.22		0.696		0.41		0.63
JAN 7.82	JAN 6.82		9.33		3.03		0.16		1.116		0.71		0.87
JAN 8.82	JAN 7.82		3.13		1.80		0.07		0.455		0.17		0.24
JAN 9.82	JAN 8.82		10.61		2.96		0.14		0.722		0.46		0.61
JAN 10.82	JAN 9.82		2.51		1.05		0.03		0.234		0.10		0.13
JAN 12.82	JAN 10.82		20.63		2.21		0.06		0.525		0.46		0.53
JAN 14.82	JAN 12.82		52.54		6.11		1.13	>	1.010		0.70		1.83
JAN 15.82	JAN 14.82	>	26.32		9.81		2.33	>	2.006		1.06		3.39
JAN 16.82	JAN 15.82		62.65		10.77		0.44	>	1.835		0.42		0.86
JAN 17.82	JAN 16.82		21.00		3.23		1.40		0.543		0.42		1.82
JAN 18.82	JAN 17.82		23.18		******		0.41		0.651		******		******
JAN 19.82	JAN 18.82		******		******		******		******		******		******
JAN 23.82	JAN 19.82		40.09		5.08		0.38	>	0.434		0.96		1.34
JAN 24.82	JAN 23.82		16.49		3.38		0.51		0.805		0.11		0.62
JAN 25.82	JAN 24.82		17.30		2.47		0.34		0.564		0.07		0.40
JAN 26.82	JAN 25.82	U	8.52	U	0.00	U	0.00	U	0.510	U	0.00		******
JAN 27.82	JAN 26.82		11.60		5.47		0.87		0.852		0.47		1.34
JAN 28.82	JAN 27.82		62.83		5.48		1.31		0.199		0.24		1.55
JAN 29.82	JAN 28.82		22.99		3.94		0.86		0.661		0.23		1.10
JAN 30.82	JAN 29.82		36.32		3.37		1.08		0.780		0.39		1.47
JAN 31.82	JAN 30.82		27.45		2.45		1.05		0.923		0.05		1.10
FEB 1.82	JAN 31.82		10.92		1.08		0.21		0.103		0.06		0.27
FEB 2.82	FEB 1.82		43.19		0.10		1.01		1.330		0.00		1.01
FEB 3.82	FEB 2.82		43.51		8.06		1.72	>	1.777		0.57		2.30
FEB 4.82	FEB 3.82		4.19		6.95		1.67		1.703		0.09		1.75
FEB 5.82	FEB 4.82		11.94		4.85		0.22		0.544		0.44		0.66
FEB 6.82	FEB 5.82		3.51		8.46		1.88	>	1.790		0.26		2.14
FEB 7.82	FEB 6.82		34.84		4.53		2.00		0.535		0.13		2.13
FEB 8.82	FEB 7.82		55.00		9.22		1.95		0.688		0.14		2.09
FEB 9.82	FEB 8.82		45.04		11.07		2.11	>	1.817		0.41		2.53
FEB 10.82	FEB 9.82		13.47		4.27		0.63		0.942		0.57		1.19
FEB 11.82	FEB 10.82		27.95		6.19		1.05		1.756		1.08		2.13
FEB 12.82	FEB 11.82		57.78		10.11		1.19	>	9.057		0.43		1.62
FEB 13.82	FEB 12.82		18.48		9.35	U	0.82	>	9.426	U	2.03		******
FEB 14.82	FEB 13.82		38.59		1.42		3.92	>	3.509		0.76		4.69
FEB 16.82	FEB 14.82	U	1.80	U	14.92		3.17	>	4.744		0.09		3.24

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/AIR #01

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
FEB 17.82	FEB 16.82	700	700	1	27740.0	15348	2	1		
FEB 18.82	FEB 17.82	700	700	1	27480.0	15351	2	1		
FEB 19.82	FEB 18.82	700	700	1	23920.0	15352	2	1	G	
FEB 20.82	FEB 19.82	700	700	1	29950.0	15353	2	1		
FEB 21.82	FEB 20.82	700	700	1	22850.0	15354	2	1		
FEB 22.82	FEB 21.82	700	700	1	25480.0	15355	2	1		
FEB 23.82	FEB 22.82	700	700	1	26780.0	15356	2	1		
FEB 24.82	FEB 23.82	700	700	1	28900.0	15358	2	1		
FEB 25.82	FEB 24.82	700	700	1	27670.0	15359	2	1		
FEB 26.82	FEB 25.82	700	700	1	28050.0	15360	2	1		
FEB 27.82	FEB 26.82	700	700	1	27890.0	15361	2	1		
FEB 28.82	FEB 27.82	700	700	1	27310.0	15362	2	1	I	
MAR 1.82	FEB 28.82	700	700	1	27520.0	15363	2	1		
MAR 2.82	MAR 1.82	700	700	1	27520.0	15364	2	1	I	
MAR 3.82	MAR 2.82	700	700	1	28250.0	15366	2	1		
MAR 4.82	MAR 3.82	700	700	1	27330.0	15367	2	1		
MAR 5.82	MAR 4.82	700	700	1	25450.0	15368	2	1		
MAR 6.82	MAR 5.82	700	700	1	25730.0	15369	2	1		
MAR 7.82	MAR 6.82	700	700	1	24960.0	15370	2	1		
MAR 8.82	MAR 7.82	700	700	1	27830.0	15371	2	1		
MAR 9.82	MAR 8.82	700	700	1	28260.0	15372	2	1		
MAR 10.82	MAR 9.82	700	700	1	27720.0	15374	2	1		
MAR 11.82	MAR 10.82	700	700	1	23850.0	15375	2	1		
MAR 12.82	MAR 11.82	700	700	1	23700.0	15376	2	1		
MAR 13.82	MAR 12.82	700	700	1	25490.0	15377	2	1		
MAR 14.82	MAR 13.82	700	700	1	27240.0	15378	2	1		
MAR 15.82	MAR 14.82	700	700	1	27150.0	15379	2	1		
MAR 16.82	MAR 15.82	700	700	1	28140.0	15380	2	1		
MAR 17.82	MAR 16.82	700	700	1	24280.0	15382	2	1		
MAR 18.82	MAR 17.82	700	700	1	22920.0	15383	2	1		
MAR 19.82	MAR 18.82	700	700	1	24270.0	15384	2	1		
MAR 20.82	MAR 19.82	700	700	1	25080.0	15385	2	1		
MAR 21.82	MAR 20.82	700	700	1	25900.0	15386	2	1		
MAR 22.82	MAR 21.82	700	700	1	24990.0	15387	2	1		
MAR 23.82	MAR 22.82	700	700	1	26950.0	15388	2	1		
MAR 24.82	MAR 23.82	700	700	1	28750.0	15390	2	1		
MAR 25.82	MAR 24.82	700	700	1	26470.0	15391	2	1		
MAR 26.82	MAR 25.82	700	700	1	26430.0	15392	2	1		
MAR 27.82	MAR 26.82	700	700	1	29220.0	15393	2	1		
MAR 28.82	MAR 27.82	700	700	1	29600.0	15394	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/AIR #01

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3	NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
FEB 17.82	FEB 16.82	19.66	>	9.65	1.51	>	8.994	0.26	1.77
FEB 18.82	FEB 17.82	17.67		3.18	0.60		0.576	0.39	0.99
FEB 19.82	FEB 18.82	37.98		2.98	1.15		0.527	0.00	1.15
FEB 20.82	FEB 19.82	6.86		4.29	0.76		0.905	0.00	0.76
FEB 21.82	FEB 20.82	15.87		8.03	1.70		1.777	0.00	1.70
FEB 22.82	FEB 21.82	25.73	>	2.26	0.58		0.426	0.00	0.58
FEB 23.82	FEB 22.82	16.53		3.27	0.83		0.347	0.06	0.88
FEB 24.82	FEB 23.82	4.68		0.00	0.29		******	0.00	0.29
FEB 25.82	FEB 24.82	9.45		1.50	0.14		******	0.33	0.47
FEB 26.82	FEB 25.82	27.86		5.63	0.42		******	0.89	1.31
FEB 27.82	FEB 26.82	27.91		6.85	0.84	>	1.779	1.59	2.43
FEB 28.82	FEB 27.82	23.38		9.85	1.44	>	9.140	3.03	4.48
MAR 1.82	FEB 28.82	16.77		5.12	1.58		******	0.99	2.57
MAR 2.82	MAR 1.82	19.93		6.68	1.54		******	0.64	2.18
MAR 3.82	MAR 2.82	5.92		2.94	0.22		******	0.16	0.38
MAR 4.82	MAR 3.82	18.92		5.92	0.19		******	1.09	1.28
MAR 5.82	MAR 4.82	26.21		3.76	1.02		******	0.04	1.06
MAR 6.82	MAR 5.82	24.14		6.29	1.87		******	0.20	2.07
MAR 7.82	MAR 6.82	41.31		9.33	3.16	>	1.988	0.21	3.37
MAR 8.82	MAR 7.82	7.80		5.78	1.01		******	0.19	1.21
MAR 9.82	MAR 8.82	22.19		4.66	0.64		******	0.23	0.86
MAR 10.82	MAR 9.82	21.96		8.68	2.12	>	1.774	0.16	2.28
MAR 11.82	MAR 10.82	30.67		10.71	2.43		******	0.17	2.60
MAR 12.82	MAR 11.82	6.52		11.71	1.37	>	2.093	0.02	1.39
MAR 13.82	MAR 12.82	16.14		12.49	1.55	>	1.946	0.03	1.58
MAR 14.82	MAR 13.82	9.34		0.57	0.43		******	0.02	0.45
MAR 15.82	MAR 14.82	5.21		1.50	0.51		******	0.44	0.96
MAR 16.82	MAR 15.82	23.15		2.56	0.51		******	0.45	0.96
MAR 17.82	MAR 16.82	13.92		3.11	1.21		******	0.03	1.24
MAR 18.82	MAR 17.82	13.71		8.72	1.73		******	0.03	1.76
MAR 19.82	MAR 18.82	9.94	>	10.30	2.22		******	0.02	2.24
MAR 20.82	MAR 19.82	19.31		10.80	1.15		******	0.28	1.44
MAR 21.82	MAR 20.82	16.77		4.71	1.65	>	1.143	0.20	1.85
MAR 22.82	MAR 21.82	16.98		5.80	1.26	>	1.985	0.03	1.28
MAR 23.82	MAR 22.82	6.84		4.89	0.45		******	0.07	0.52
MAR 24.82	MAR 23.82	18.19		6.53	1.47		1.649	0.02	1.49
MAR 25.82	MAR 24.82	24.55		8.99	2.24	>	1.865	0.54	2.77
MAR 26.82	MAR 25.82	2.76		3.97	0.74		1.432	0.68	1.42
MAR 27.82	MAR 26.82	2.38		2.44	0.05		0.601	0.03	0.07
MAR 28.82	MAR 27.82	2.69		3.00	0.17		0.394	0.12	0.29

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/AIR #01

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
MAR 29.82	MAR 28.82	700	700	1	28900.0	15395	2	1		
MAR 30.82	MAR 29.82	700	700	1	28810.0	15396	2	1		
MAR 31.82	MAR 30.82	700	700	1	28950.0	15398	2	1		F
APR 1.82	APR 1.82	1920	1920	1	11460.0	15400	2	1		
APR 2.82	APR 1.82	1920	1920	1	27110.0	15401	2	1		
APR 3.82	APR 2.82	1920	1920	1	27250.0	15402	2	1		
APR 4.82	APR 3.82	1920	1920	1	29240.0	15403	2	1		
APR 5.82	APR 4.82	1920	1920	1	29370.0	15404	2	1		Z
APR 7.82	APR 5.82	1920	700	1	43750.0	15406	2	1		
APR 8.82	APR 7.82	700	700	1	27400.0	15407	2	1		
APR 9.82	APR 8.82	700	700	1	28010.0	15408	2	1		
APR 10.82	APR 9.82	700	700	1	28820.0	15409	2	1		
APR 11.82	APR 10.82	700	700	1	27030.0	15410	2	1		
APR 12.82	APR 11.82	700	700	1	25890.0	15411	2	1		
APR 13.82	APR 12.82	700	700	1	27410.0	15412	2	1		
APR 14.82	APR 13.82	700	700	1	29390.0	15414	2	1		
APR 15.82	APR 14.82	700	700	1	27370.0	15415	2	1		
APR 16.82	APR 15.82	700	700	1	28710.0	15416	2	1		
APR 17.82	APR 16.82	700	700	1	26730.0	15417	2	1		
APR 18.82	APR 17.82	700	700	1	28680.0	15418	2	1		
APR 19.82	APR 18.82	700	700	1	29690.0	15419	2	1		
APR 20.82	APR 19.82	700	700	1	28860.0	15420	2	1		
APR 21.82	APR 20.82	700	700	1	27620.0	15422	2	1		
APR 22.82	APR 21.82	700	700	1	29550.0	15423	2	1		
APR 23.82	APR 22.82	700	700	1	29580.0	15424	2	1		
APR 24.82	APR 23.82	700	700	1	29060.0	15425	2	1		
APR 25.82	APR 24.82	700	700	1	28290.0	15426	2	1	K	
APR 26.82	APR 25.82	700	700	1	30730.0	15427	2	1	K	
APR 27.82	APR 26.82	700	700	1	********	15428	2	1		X
APR 28.82	APR 27.82	700	700	1	********	15430	2	1		
APR 29.82	APR 28.82	1050	700	1	23720.0	15431	2	1		
APR 30.82	APR 29.82	700	700	1	28410.0	15432	2	1		
MAY 1.82	APR 30.82	700	700	1	28200.0	15433	2	1		
MAY 2.82	MAY 1.82	700	700	1	28530.0	15434	2	1		
MAY 3.82	MAY 2.82	700	700	1	28050.0	15435	2	1		
MAY 4.82	MAY 3.82	700	700	1	28910.0	15436	2	1		
MAY 5.82	MAY 4.82	700	700	1	27510.0	15438	2	1		
MAY 6.82	MAY 5.82	700	700	1	27120.0	15439	2	1	A	
MAY 7.82	MAY 6.82	700	700	1	36190.0	15440	2	1		
MAY 8.82	MAY 7.82	700	700	1	25490.0	15441	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/AIR #01

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3		TOTL NO3 AS N UG/M**3
MAR 29.82	MAR 28.82	******		3.16		0.82		0.912		0.35		1.17
MAR 30.82	MAR 29.82	******		7.81		1.92		0.956		0.47		2.39
MAR 31.82	MAR 30.82	******		4.18		0.57		0.986		0.42		0.99
APR 1.82	APR 1.82	******	U	1.59	U	0.00	U	0.364	U	0.03		******
APR 2.82	APR 1.82	******		2.33		0.07		0.538		0.10		0.17
APR 3.82	APR 2.82	******		3.10		0.22		0.711		0.28		0.50
APR 4.82	APR 3.82	******		1.73		0.00		0.379		0.03		0.03
APR 5.82	APR 4.82	******		3.30		0.05		0.803		0.42		0.47
APR 7.82	APR 5.82	******		3.54		0.16		0.687		0.08		0.23
APR 8.82	APR 7.82	******		3.08		0.39		0.646		0.22		0.62
APR 9.82	APR 8.82	******		3.59		0.38		0.746		0.40		0.77
APR 10.82	APR 9.82	******		4.08		0.58		0.989		0.34		0.92
APR 11.82	APR 10.82	******		10.38		1.57		1.402		0.09		1.65
APR 12.82	APR 11.82	******		5.77		0.56		0.645		0.33		0.89
APR 13.82	APR 12.82	******		6.84		1.33		1.594		0.21		1.54
APR 14.82	APR 13.82	******		3.70		0.28		0.961		0.08		0.36
APR 15.82	APR 14.82	******		3.09		0.42		0.814		0.21		0.63
APR 16.82	APR 15.82	******		11.96		1.35		1.577		0.96		2.30
APR 17.82	APR 16.82	******		11.43		0.92	>	1.863		0.39		1.31
APR 18.82	APR 17.82	******		2.25		0.26		0.655		0.08		0.34
APR 19.82	APR 18.82	******		1.63		3.99		0.572		2.44		6.43
APR 20.82	APR 19.82	******		6.01		0.67		1.004		0.91		1.57
APR 21.82	APR 20.82	5.37		4.52		0.68		1.157		0.19		0.87
APR 22.82	APR 21.82	2.98		0.83		0.15		0.261		0.07		0.22
APR 23.82	APR 22.82	4.88		2.69		0.33		0.216		0.31		0.64
APR 24.82	APR 23.82	11.75		5.49		0.88		1.160		1.18		2.07
APR 25.82	APR 24.82	14.44		11.47		1.25	>	1.757		1.85		3.10
APR 26.82	APR 25.82	26.31		12.19		******	>	1.617		1.38		******
APR 27.82	APR 26.82	******		******		******		******		******		******
APR 28.82	APR 27.82	******		******		******		******		******		******
APR 29.82	APR 28.82	4.87		1.92		0.12		0.521		0.15		0.27
APR 30.82	APR 29.82	7.34		4.07		0.33		0.729		0.45		0.79
MAY 1.82	APR 30.82	23.71		9.03		0.92		0.894		1.06		1.98
MAY 2.82	MAY 1.82	8.96		8.96		1.04		1.665		1.30		2.34
MAY 3.82	MAY 2.82	1.38		2.89		0.23		0.531		0.20		0.43
MAY 4.82	MAY 3.82	6.07		3.44		0.19		1.339		0.34		0.53
MAY 5.82	MAY 4.82	10.06		8.49		0.58		1.213		0.54		1.12
MAY 6.82	MAY 5.82	20.91	>	9.22		1.26	>	1.826		0.75		2.01
MAY 7.82	MAY 6.82	6.63		7.05		0.50	>	1.369		0.33		0.83
MAY 8.82	MAY 7.82	4.04		10.28		0.75	>	1.943		0.30		1.65

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/AIR #01

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
MAY 9,82	MAY 8,82	700	700	1	27700.0	15442	2	1		
MAY 10,82	MAY 9,82	700	700	1	28270.0	15443	2	1		
MAY 11,82	MAY 10,82	700	700	1	28470.0	15444	2	1		
MAY 12,82	MAY 11,82	700	700	1	28060.0	15446	2	1		
MAY 13,82	MAY 12,82	700	700	1	26520.0	15447	2	1		
MAY 14,82	MAY 13,82	700	700	1	28010.0	15448	2	1		
MAY 15,82	MAY 14,82	700	700	1	27970.0	15449	2	1		
MAY 16,82	MAY 15,82	700	700	1	28290.0	15450	2	1		
MAY 17,82	MAY 16,82	700	700	1	26880.0	15451	2	1		
MAY 18,82	MAY 17,82	700	700	1	28100.0	15452	2	1		
MAY 19,82	MAY 18,82	700	700	1	28040.0	15454	2	1		
MAY 20,82	MAY 19,82	700	700	1	25830.0	15455	2	1		
MAY 21,82	MAY 20,82	700	700	1	26940.0	15456	2	1		
MAY 22,82	MAY 21,82	700	700	1	28070.0	15457	2	1		
MAY 23,82	MAY 22,82	700	700	1	25960.0	15458	2	1		
MAY 24,82	MAY 23,82	700	700	1	24740.0	15459	2	1		
MAY 25,82	MAY 24,82	700	700	1	26020.0	15460	2	1		
MAY 26,82	MAY 25,82	700	700	1	25800.0	15462	2	1		
MAY 27,82	MAY 26,82	700	700	1	26900.0	15463	2	1		
MAY 28,82	MAY 27,82	700	700	1	22940.0	15464	2	1		
MAY 29,82	MAY 28,82	700	700	1	25290.0	15465	2	1		
MAY 30,82	MAY 29,82	700	700	1	26540.0	15466	2	1		
MAY 31,82	MAY 30,82	700	700	1	24510.0	15467	2	1		
JUN 1,82	MAY 31,82	700	700	1	25830.0	15468	2	1		
JUN 2,82	JUN 1,82	700	700	1	26360.0	15470	2	1		
JUN 3,82	JUN 2,82	1530	700	1	18510.0	15471	2	1		
JUN 4,82	JUN 3,82	700	700	1	28870.0	15472	2	1		
JUN 5,82	JUN 4,82	700	700	1	28390.0	15473	2	1		
JUN 6,82	JUN 5,82	700	700	1	25320.0	15474	2	1		
JUN 7,82	JUN 6,82	700	700	1	25170.0	15475	2	1		
JUN 8,82	JUN 7,82	700	700	1	26060.0	15476	2	1		
JUN 9,82	JUN 8,82	700	700	1	26370.0	15478	2	1		
JUN 10,82	JUN 9,82	700	700	1	25410.0	15479	2	1		
JUN 11,82	JUN 10,82	700	700	1	26670.0	15480	2	1		
JUN 12,82	JUN 11,82	700	700	1	28090.0	15481	2	1		
JUN 13,82	JUN 12,82	700	700	1	27670.0	15482	2	1		
JUN 14,82	JUN 13,82	700	700	1	27870.0	15483	2	1		
JUN 15,82	JUN 14,82	700	700	1	28100.0	15484	2	1	I	
JUN 16,82	JUN 15,82	700	700	1	26360.0	15486	2	1		
JUN 17,82	JUN 16,82	700	700	1	25100.0	15487	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/AIR #01 PAGE : 4

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3	NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
MAY 9,82	MAY 8,82	2.65		2.62	0.64		0.546	0.58	1.24
MAY 10,82	MAY 9,82	4.70		2.69	0.19		0.300	0.17	0.35
MAY 11,82	MAY 10,82	10.89		2.55	0.44		0.658	0.38	0.82
MAY 12,82	MAY 11,82	16.32		13.35	1.53	>	1.755	1.00	2.53
MAY 13,82	MAY 12,82	4.03		8.58	0.70		0.746	1.35	2.06
MAY 14,82	MAY 13,82	10.50		15.76	1.51	>	1.777	2.42	3.93
MAY 15,82	MAY 14,82	12.66		9.20	1.16		0.993	1.10	2.25
MAY 16,82	MAY 15,82	10.39		3.30	0.34		0.364	0.86	1.20
MAY 17,82	MAY 16,82	3.35		3.14	0.63	>	1.852	0.81	1.44
MAY 18,82	MAY 17,82	16.37		3.86	0.70	>	1.772	0.65	1.35
MAY 19,82	MAY 18,82	2.65		5.51	0.63		0.905	0.42	1.04
MAY 20,82	MAY 19,82	3.81		1.60	0.95		0.508	0.25	1.21
MAY 21,82	MAY 20,82	2.28		0.32	0.38		0.218	0.04	0.42
MAY 22,82	MAY 21,82	2.90	<W	0.04	0.49		0.141	0.00	0.49
MAY 23,82	MAY 22,82	2.87		0.43	0.20		0.316	0.16	0.36
MAY 24,82	MAY 23,82	3.57		3.79	0.72		0.439	0.32	1.04
MAY 25,82	MAY 24,82	0.57		0.43	0.28		0.147	0.06	0.34
MAY 26,82	MAY 25,82	0.20		12.75	0.34	>	1.891	0.94	1.28
MAY 27,82	MAY 26,82	8.01		25.09	1.51	>	1.836	0.28	1.78
MAY 28,82	MAY 27,82	10.40		18.74	1.77	>	2.153	0.02	1.79
MAY 29,82	MAY 28,82	3.50		5.97	0.83	>	1.953	0.85	1.68
MAY 30,82	MAY 29,82	3.82		15.07	0.78	>	1.861	1.32	2.10
MAY 31,82	MAY 30,82	1.71		17.54	0.90	>	2.016	0.74	1.64
JUN 1,82	MAY 31,82	4.98		21.29	1.61	>	1.913	0.15	1.77
JUN 2,82	JUN 1,82	0.33		0.76	0.14		0.171	0.07	0.21
JUN 3,82	JUN 2,82	0.00		1.55	0.00		0.213	0.34	0.34
JUN 4,82	JUN 3,82	******		1.73	0.27		0.216	0.48	0.75
JUN 5,82	JUN 4,82	******		4.02	0.68		0.609	0.73	1.41
JUN 6,82	JUN 5,82	0.19		3.41	0.35		0.169	0.26	0.61
JUN 7,82	JUN 6,82	0.00		2.09	0.33		0.766	0.24	0.57
JUN 8,82	JUN 7,82	3.12		6.95	0.67		0.635	0.07	0.73
JUN 9,82	JUN 8,82	8.28		6.45	2.15		1.499	0.23	2.37
JUN 10,82	JUN 9,82	8.07		17.43	1.34		1.631	0.12	1.45
JUN 11,82	JUN 10,82	3.80		11.21	0.56	>	1.864	0.11	0.67
JUN 12,82	JUN 11,82	2.79		1.83	0.27		0.424	0.23	0.51
JUN 13,82	JUN 12,82	7.53		7.91	1.35		1.471	0.35	1.70
JUN 14,82	JUN 13,82	3.10		3.91	0.84		0.947	0.22	1.04
JUN 15,82	JUN 14,82	6.35		3.21	0.78		0.612	0.43	1.21
JUN 16,82	JUN 15,82	1.05		6.55	0.84		1.414	0.09	0.94
JUN 17,82	JUN 16,82	0.00		2.05	0.16		0.190	0.03	0.19

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/AIR #01

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME (L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
JUN 18.82	JUN 17.82	700	700	1	27060.0	15488	2	1		
JUN 19.82	JUN 18.82	700	700	1	26090.0	15489	2	1		
JUN 20.82	JUN 19.82	700	700	1	22390.0	15490	2	1		
JUN 21.82	JUN 20.82	700	700	1	26330.0	15491	2	1		
JUL 7.82	JUL 6.82	1335	700	1	18630.0	15493	2	1		
JUL 8.82	JUL 7.82	700	700	1	27300.0	15494	2	1		
JUL 9.82	JUL 8.82	700	700	1	28850.0	15495	2	1		
JUL 10.82	JUL 9.82	700	700	1	28820.0	15496	2	1		
JUL 11.82	JUL 10.82	700	700	1	26910.0	15497	2	1		
JUL 12.82	JUL 11.82	700	700	1	26760.0	15498	2	1		
JUL 13.82	JUL 12.82	700	700	1	27060.0	15499	2	1		
JUL 14.82	JUL 13.82	700	700	1	20280.0	15501	2	1	D	
JUL 15.82	JUL 14.82	700	700	1	24660.0	15502	2	1		
JUL 16.82	JUL 15.82	700	700	1	24710.0	15503	2	1		
JUL 17.82	JUL 16.82	700	700	1	26140.0	15504	2	1		
JUL 18.82	JUL 17.82	700	700	1	25670.0	15505	2	1		
JUL 19.82	JUL 18.82	700	700	1	27620.0	15506	2	1		
JUL 20.82	JUL 19.82	700	700	1	27540.0	15507	2	1		
JUL 21.82	JUL 20.82	700	700	1	29710.0	15509	2	1		
JUL 22.82	JUL 21.82	700	700	1	27890.0	15510	2	1		
JUL 23.82	JUL 22.82	700	700	1	29120.0	15511	2	1		
JUL 24.82	JUL 23.82	700	700	1	30000.0	15512	2	1		
JUL 25.82	JUL 24.82	700	700	1	29120.0	15513	2	1		
JUL 26.82	JUL 25.82	700	700	1	29770.0	15514	2	1		
JUL 27.82	JUL 26.82	700	700	1	30340.0	15515	2	1		
JUL 28.82	JUL 27.82	700	700	1	25170.0	15517	2	1		
JUL 29.82	JUL 28.82	700	700	1	25330.0	15518	2	1		
JUL 30.82	JUL 29.82	700	700	1	24050.0	15519	2	1		
JUL 31.82	JUL 30.82	700	700	1	24960.0	15520	2	1		
AUG 1.82	JUL 31.82	700	700	1	24570.0	15521	2	1		
AUG 2.82	AUG 1.82	700	700	1	25580.0	15522	2	1		
AUG 3.82	AUG 2.82	700	700	1	24990.0	15523	2	1		
AUG 4.82	AUG 3.82	700	700	1	24940.0	15525	2	1		
AUG 5.82	AUG 4.82	1055	700	1	21010.0	15526	2	1		
AUG 6.82	AUG 5.82	700	700	1	25180.0	15527	2	1		
AUG 7.82	AUG 6.82	700	700	1	25390.0	15528	2	1		
AUG 8.82	AUG 7.82	700	700	1	25460.0	15529	2	1		
AUG 9.82	AUG 8.82	700	700	1	26300.0	15530	2	1		
AUG 10.82	AUG 9.82	700	700	1	28230.0	15531	2	1		
AUG 11.82	AUG 10.82	700	915	1	30350.0	15533	2	1	A	

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/AIR #01

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3	NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
JUN 18.82	JUN 17.82	2.74		5.69	1.17		1.464		0.26	1.43
JUN 19.82	JUN 18.82	3.61		10.73	1.84	>	1.913		2.06	3.90
JUN 20.82	JUN 19.82	1.53		5.71	0.37		1.626		0.12	0.49
JUN 21.82	JUN 20.82	4.23		3.42	0.57		0.946		0.17	0.74
JUL 7.82	JUL 6.82	9.51		18.88	1.16		4.158		0.03	1.19
JUL 8.82	JUL 7.82	8.58		8.93	0.97		1.537		0.18	1.16
JUL 9.82	JUL 8.82	7.53		6.27	0.46		1.167		0.33	0.79
JUL 10.82	JUL 9.82	4.17		0.00	0.29		0.221	<W	0.01	0.23
JUL 11.82	JUL 10.82	31.85		23.81	2.23		4.755		0.06	2.29
JUL 12.82	JUL 11.82	6.25		3.62	0.33		0.828		0.04	0.37
JUL 13.82	JUL 12.82	12.35		3.44	0.38		0.130	<T	0.01	0.39
JUL 14.82	JUL 13.82	0.00		1.73	0.34		0.281		0.28	0.63
JUL 15.82	JUL 14.82	8.97		8.51	1.53		0.744		0.03	1.56
JUL 16.82	JUL 15.82	16.12		40.43	1.46		8.323		0.03	1.49
JUL 17.82	JUL 16.82	6.55		33.66	1.66		5.343	<T	0.01	1.67
JUL 18.82	JUL 17.82	6.01		12.89	0.92		3.054		0.18	1.10
JUL 19.82	JUL 18.82	4.14		5.94	0.62		1.400		0.17	0.79
JUL 20.82	JUL 19.82	1.00		2.00	0.24		0.449		0.07	0.32
JUL 21.82	JUL 20.82	1.05		0.88	0.10		0.092		0.12	0.22
JUL 22.82	JUL 21.82	3.54		11.65	1.29		1.595		0.18	1.47
JUL 23.82	JUL 22.82	3.84		9.96	1.08		1.672		0.62	1.70
JUL 24.82	JUL 23.82	0.00		1.79	0.19		0.226		0.16	0.35
JUL 25.82	JUL 24.82	4.08		10.54	1.04		1.167		0.50	1.55
JUL 26.82	JUL 25.82	3.85		8.13	0.61		2.149		0.36	0.97
JUL 27.82	JUL 26.82	0.49		1.69	0.18		0.461		0.12	0.31
JUL 28.82	JUL 27.82	0.00		2.38	0.31		0.408		0.18	0.49
JUL 29.82	JUL 28.82	1.80		2.62	0.32		0.406		0.09	0.41
JUL 30.82	JUL 29.82	7.31		5.82	1.02		0.636		0.21	1.23
JUL 31.82	JUL 30.82	8.52	>	10.02	1.13		1.626		0.05	1.18
AUG 1.82	JUL 31.82	3.08		7.08	0.81		1.802		0.30	1.10
AUG 2.82	AUG 1.82	4.64		4.46	0.58		0.766		0.62	1.20
AUG 3.82	AUG 2.82	0.23		0.60	0.16		0.232		0.03	0.19
AUG 4.82	AUG 3.82	3.44		0.65	0.75		0.168		0.01	0.74
AUG 5.82	AUG 4.82	1.54		0.07	0.37		0.149		0.01	0.38
AUG 6.82	AUG 5.82	4.87		7.70	0.85		0.491		0.41	1.25
AUG 7.82	AUG 6.82	6.64		3.75	0.80		0.290		0.12	0.92
AUG 8.82	AUG 7.82	6.63	<W	0.01	1.06		0.077		0.01	1.07
AUG 9.82	AUG 8.82	4.13	>	9.47	0.40		0.003		0.01	0.41
AUG 10.82	AUG 9.82	7.75		1.02	0.12		0.265	<W	0.01	0.12
AUG 11.82	AUG 10.82	0.41		0.83	0.15		0.212		0.05	0.20

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/AIR #01

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
AUG 12.82	AUG 11.82	930	700	1	22600.0	15534	2	1		
AUG 13.82	AUG 12.82	700	700	1	26870.0	15535	2	1		
AUG 14.82	AUG 13.82	700	700	1	27830.0	15536	2	1		
AUG 15.82	AUG 14.82	700	700	1	26000.0	15537	2	1	1	
AUG 16.82	AUG 15.82	700	700	1	26690.0	15538	2	1		
AUG 17.82	AUG 16.82	700	700	1	27350.0	15539	2	1		
AUG 18.82	AUG 17.82	700	700	1	27200.0	15541	2	1		
AUG 19.82	AUG 18.82	700	700	1	26450.0	15542	2	1		
AUG 20.82	AUG 19.82	700	700	1	27670.0	15543	2	1		
AUG 21.82	AUG 20.82	700	700	1	27440.0	15544	2	1		
AUG 22.82	AUG 21.82	700	700	1	26720.0	15545	2	1		
AUG 23.82	AUG 22.82	700	700	1	27120.0	15546	2	1		
AUG 24.82	AUG 23.82	700	700	1	26420.0	15547	2	1		
AUG 25.82	AUG 24.82	700	700	1	26450.0	15549	2	1		
AUG 26.82	AUG 25.82	700	700	1	25550.0	15550	2	1		
AUG 27.82	AUG 26.82	700	700	1	25690.0	15551	2	1		
AUG 28.82	AUG 27.82	700	700	1	26500.0	15552	2	1		
AUG 29.82	AUG 28.82	700	700	1	25400.0	15553	2	1		
AUG 30.82	AUG 29.82	700	700	1	28410.0	15554	2	1		
AUG 31.82	AUG 30.82	700	700	1	27770.0	15555	2	1		
SEP 1.82	AUG 31.82	700	700	1	28500.0	15557	2	1		
SEP 2.82	SEP 1.82	700	700	1	26120.0	15558	2	1		
SEP 3.82	SEP 2.82	700	700	1	25910.0	15559	2	1		
SEP 4.82	SEP 3.82	700	700	1	27370.0	15560	2	1		
SEP 5.82	SEP 4.82	700	700	1	25120.0	15561	2	1		
SEP 6.82	SEP 5.82	700	700	1	28250.0	15562	2	1		
SEP 7.82	SEP 6.82	700	700	1	27950.0	15563	2	1		
SEP 8.82	SEP 7.82	700	700	1	28000.0	15565	2	1		
SEP 9.82	SEP 8.82	700	700	1	27460.0	15566	2	1		
SEP 10.82	SEP 9.82	700	700	1	26340.0	15567	2	1		
SEP 11.82	SEP 10.82	700	700	1	25520.0	15568	2	1		
SEP 12.82	SEP 11.82	700	700	1	25380.0	15569	2	1	H	
SEP 13.82	SEP 12.82	700	700	1	27130.0	15570	2	1		
SEP 14.82	SEP 13.82	700	700	1	26820.0	15571	2	1		
SEP 15.82	SEP 14.82	700	700	1	24890.0	15573	2	1		
SEP 16.82	SEP 15.82	700	700	1	24710.0	15574	2	1		
SEP 17.82	SEP 16.82	700	700	1	27260.0	15575	2	1		
SEP 18.82	SEP 17.82	700	700	1	25860.0	15576	2	1		
SEP 19.82	SEP 18.82	700	700	1	26530.0	15577	2	1		
SEP 20.82	SEP 19.82	700	700	1	26780.0	15578	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/AIR #01 PAGE : 12

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N JG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3		TOTL NO3 AS N UG/M**3
AUG 12.82	AUG 11.82	0.00		1.22		0.10		0.249		0.11		0.22
AUG 13.82	AUG 12.82	3.93		2.33		0.31		0.487		0.36		0.68
AUG 14.82	AUG 13.82	2.24		2.25		0.23		0.380		0.27		0.50
AUG 15.82	AUG 14.82	7.64		9.61		1.51		1.523		0.47		1.98
AUG 16.82	AUG 15.82	4.45		0.47		1.15		0.177		0.01		1.16
AUG 17.82	AUG 16.82	16.92	>	9.14		1.44		1.820		0.64		2.08
AUG 18.82	AUG 17.82	0.02		0.64		0.03		0.069		0.09		0.13
AUG 19.82	AUG 18.82	2.16		0.85		0.09		0.066		0.12		0.21
AUG 20.82	AUG 19.82	3.76		6.43		0.50		0.589		0.72		1.21
AUG 21.82	AUG 20.82	0.99		2.60		0.23		0.575	<T	0.01		0.24
AUG 22.82	AUG 21.82	0.77		1.97		0.17		0.155		0.23		0.35
AUG 23.82	AUG 22.82	3.47		2.91		0.46		0.833		0.16		0.62
AUG 24.82	AUG 23.82	2.29		3.94		0.33		1.014		0.18		0.51
AUG 25.82	AUG 24.82	0.70		3.97		0.34		0.948		0.19		0.53
AUG 26.82	AUG 25.82	0.86	<T	0.05		0.10		0.128		0.02		0.12
AUG 27.82	AUG 26.82	2.54		4.44		0.51		0.998		0.62		1.12
AUG 28.82	AUG 27.82	3.08		2.36		0.34		0.560		0.20		0.54
AUG 29.82	AUG 28.82	3.49		5.91		0.32		1.135		0.60		0.91
AUG 30.82	AUG 29.82	1.48	<W	0.04		0.17		0.144	<W	0.01		0.17
AUG 31.82	AUG 30.82	4.27		11.09		0.77	>	1.794		0.22		0.99
SEP 1.82	AUG 31.82	1.39		5.09		0.33		0.906		0.36		0.69
SEP 2.82	SEP 1.82	3.29		13.21		0.75		1.900		0.09		0.84
SEP 3.82	SEP 2.82	2.43		3.86		0.39		0.939		0.11		0.49
SEP 4.82	SEP 3.82	1.44		0.73		0.09		0.085		0.05		0.14
SEP 5.82	SEP 4.82	7.56		8.12		0.60		1.088		0.67		1.27
SEP 6.82	SEP 5.82	4.45		2.79		0.35		0.638		0.32		0.67
SEP 7.82	SEP 6.82	1.30		1.75		0.18		0.352		0.14		0.32
SEP 8.82	SEP 7.82	1.26		1.29		0.16		0.085		0.31		0.47
SEP 9.82	SEP 8.82	2.99		3.68		0.41		0.169		0.67		1.08
SEP 10.82	SEP 9.82	6.29		3.18		1.06		0.064		0.10		1.17
SEP 11.82	SEP 10.82	5.04	>	9.80		1.34	>	1.957	<W	0.01		1.34
SEP 12.82	SEP 11.82	16.89	>	9.85	>	1.84	>	1.968	<W	0.01		******
SEP 13.82	SEP 12.82	18.53	>	9.22	>	1.72	>	1.841		0.03		******
SEP 14.82	SEP 13.82	7.52	>	9.32		1.06	>	1.862		0.21		1.26
SEP 15.82	SEP 14.82	2.57		8.28		0.44		0.396		0.37		0.81
SEP 16.82	SEP 15.82	8.55		9.71		0.23	>	2.021		0.61		0.84
SEP 17.82	SEP 16.82	0.00		1.01		0.05		0.289		0.06		0.11
SEP 18.82	SEP 17.82	2.36		3.14		0.30		0.887		0.34		0.63
SEP 19.82	SEP 18.82	0.00		0.66		0.08		0.129		0.08		0.16
SEP 20.82	SEP 19.82	4.27		3.27		0.40		0.998		0.27		0.67

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/AIR #01

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
SEP 21.82	SEP 20.82	700	700	1	25960.0	15579	2	1		
SEP 22.82	SEP 21.82	700	700	1	26910.0	15581	2	1		
SEP 23.82	SEP 22.82	700	700	1	24020.0	15582	2	1		
SEP 24.82	SEP 23.82	700	700	1	26010.0	15583	2	1		
SEP 25.82	SEP 24.82	700	700	1	23970.0	15584	2	1		
SEP 26.82	SEP 25.82	700	700	1	24950.0	15585	2	1		
SEP 27.82	SEP 26.82	700	700	1	25390.0	15586	2	1		
SEP 28.82	SEP 27.82	700	700	1	24670.0	15587	2	1		
SEP 29.82	SEP 28.82	700	700	1	24180.0	15589	2	1		
SEP 30.82	SEP 29.82	700	700	1	25070.0	15590	2	1		
OCT 1.82	SEP 30.82	700	700	1	24500.0	15591	2	1		
OCT 2.82	OCT 1.82	700	700	1	25780.0	15592	2	1		
OCT 3.82	OCT 2.82	700	700	1	26010.0	15593	2	1		
OCT 4.82	OCT 3.82	700	700	1	26130.0	15594	2	1		
OCT 5.82	OCT 4.82	700	700	1	25910.0	15595	2	1		
OCT 6.82	OCT 5.82	700	700	1	26280.0	15597	2	1		
OCT 7.82	OCT 6.82	700	700	1	25620.0	15598	2	1		
OCT 8.82	OCT 7.82	700	700	1	24610.0	15599	2	1		
OCT 9.82	OCT 8.82	700	700	1	26540.0	15600	2	1		
OCT 10.82	OCT 9.82	700	700	1	26960.0	15601	2	1		
OCT 11.82	OCT 10.82	700	700	1	25220.0	15602	2	1		
OCT 12.82	OCT 11.82	700	700	1	26600.0	15603	2	1		
OCT 13.82	OCT 12.82	700	700	1	26430.0	15605	2	1		
OCT 14.82	OCT 13.82	700	700	1	27300.0	15606	2	1		
OCT 15.82	OCT 14.82	700	700	1	27220.0	15607	2	1		
OCT 16.82	OCT 15.82	700	700	1	26590.0	15608	2	1		
OCT 17.82	OCT 16.82	700	700	1	26100.0	15609	2	1		
OCT 18.82	OCT 17.82	700	700	1	27030.0	15610	2	1		
OCT 19.82	OCT 18.82	700	700	1	28000.0	15611	2	1		
OCT 20.82	OCT 19.82	700	700	1	28020.0	15613	2	1		
OCT 21.82	OCT 20.82	700	700	1	27340.0	15614	2	1		
OCT 22.82	OCT 21.82	700	700	1	28490.0	15615	2	1		
OCT 23.82	OCT 22.82	700	700	1	27770.0	15616	2	1		
OCT 24.82	OCT 23.82	700	700	1	26860.0	15617	2	1		
OCT 25.82	OCT 24.82	700	700	1	26150.0	15618	2	1		
OCT 26.82	OCT 25.82	700	700	1	27510.0	15619	2	1		
OCT 27.82	OCT 26.82	700	925	1	29400.0	15621	2	1		
OCT 28.82	OCT 27.82	1040	700	1	21310.0	15622	2	1		
OCT 29.82	OCT 28.82	700	700	1	27590.0	15623	2	1		
OCT 30.82	OCT 29.82	700	700	1	26700.0	15624	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/AIR #01 PAGE : 14

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3		TOTL NO3 AS N UG/M**3
SEP 21.82	SEP 20.82	0.30		1.73		0.20		0.460		0.12		0.31
SEP 22.82	SEP 21.82	0.62		2.35		0.14		0.184		0.58		0.72
SEP 23.82	SEP 22.82	10.11		4.02		0.45		1.017		0.30		0.74
SEP 24.82	SEP 23.82	3.96		2.14		0.47		0.372		0.09		0.56
SEP 25.82	SEP 24.82	8.34		3.78		0.47		1.866		0.04		0.51
SEP 26.82	SEP 25.82	13.11		14.01		1.40		4.567		0.36		1.76
SEP 27.82	SEP 26.82	13.15		12.90		1.62		4.133		0.25		1.87
SEP 28.82	SEP 27.82	0.54		0.59		0.16		0.056	<W	0.01		0.16
SEP 29.82	SEP 28.82	0.00		13.21		0.71		3.608	<T	0.01		0.71
SEP 30.82	SEP 29.82	0.25		4.83		0.47		1.190		0.09		0.56
OCT 1.82	SEP 30.82	17.42		16.82		2.09		3.666	<W	0.01		2.09
OCT 2.82	OCT 1.82	3.48		6.75		0.47		1.553		0.22		0.69
OCT 3.82	OCT 2.82	2.15		1.73		0.16		0.262		0.27		0.43
OCT 4.82	OCT 3.82	3.82		8.19		0.57		1.658		0.33		0.90
OCT 5.82	OCT 4.82	2.15		1.54		0.26		0.331		0.31		0.57
OCT 6.82	OCT 5.82	0.55		4.98		0.47		0.797		0.54		1.01
OCT 7.82	OCT 6.82	3.56		33.65		2.15		6.711		0.02		2.17
OCT 8.82	OCT 7.82	3.83		13.21		0.49		4.101		0.37		0.86
OCT 9.82	OCT 8.82	3.44		2.83		0.56		0.555		0.36		0.92
OCT 10.82	OCT 9.82	1.77		5.16		0.40		1.437		0.27		0.67
OCT 11.82	OCT 10.82	3.34		8.92		0.65		1.544		0.36		1.01
OCT 12.82	OCT 11.82	7.68		1.36		0.66		******		0.12		0.79
OCT 13.82	OCT 12.82	2.68		4.99		0.28		0.972		0.50		0.78
OCT 14.82	OCT 13.82	16.05		3.88		0.30		0.687		0.75		1.05
OCT 15.82	OCT 14.82	9.82		3.31		0.23		0.887		0.51		0.73
OCT 16.82	OCT 15.82	0.00		0.66		0.12		0.164		0.07		0.18
OCT 17.82	OCT 16.82	0.00		0.24		0.04		0.092		0.02		0.06
OCT 18.82	OCT 17.82	16.58		0.46		0.05		0.159		0.17		0.22
OCT 19.82	OCT 18.82	30.01		5.21		0.55		0.293		0.61		1.16
OCT 20.82	OCT 19.82	8.54		7.32		0.96		1.595		0.27		1.24
OCT 21.82	OCT 20.82	1.19		1.55		0.13		0.131		0.09		0.22
OCT 22.82	OCT 21.82	0.32		0.92		0.06		0.145		0.08		0.15
OCT 23.82	OCT 22.82	0.81		1.22		0.10		0.239		0.12		0.22
OCT 24.82	OCT 23.82	1.33		2.23		0.13		0.482		0.42		0.55
OCT 25.82	OCT 24.82	12.84		3.54		0.21		0.812		0.96		1.17
OCT 26.82	OCT 25.82	4.82		5.42		0.33	>	1.808		1.65		1.98
OCT 27.82	OCT 26.82	9.14		7.07		0.38	>	1.692	>	1.70		******
OCT 28.82	OCT 27.82	U 1.81	U	13.23	U	1.21	U	2.312	U	2.94		******
OCT 29.82	OCT 28.82	29.45	>	9.06		1.05	>	1.797		1.36		2.41
OCT 30.82	OCT 29.82	9.31		5.65		0.41		0.752		0.77		1.17

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/AIR #01 PAGE : 15

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
OCT 31,82	OCT 30,82	700	700	1	26920.0	15625	2	1		
NOV 1,82	OCT 31,82	700	700	1	24020.0	15626	2	1		
NOV 2,82	NOV 1,82	700	700	1	24230.0	15627	2	1		
NOV 3,82	NOV 2,82	700	700	1	25980.0	15629	2	1		
NOV 4,82	NOV 3,82	700	700	1	26200.0	15630	2	1		
NOV 5,82	NOV 4,82	700	700	1	27910.0	15631	2	1		
NOV 6,82	NOV 5,82	700	700	1	27770.0	15632	2	1		
NOV 7,82	NOV 6,82	700	700	1	27880.0	15633	2	1		
NOV 8,82	NOV 7,82	700	700	1	27770.0	15634	2	1		
NOV 9,82	NOV 8,82	700	700	1	27510.0	15635	2	1		
NOV 10,82	NOV 9,82	700	700	1	28890.0	15637	2	1		
NOV 11,82	NOV 10,82	700	700	1	26910.0	15638	2	1		
NOV 12,82	NOV 11,82	700	700	1	25770.0	15639	2	1		
NOV 13,82	NOV 12,82	700	700	1	26720.0	15640	2	1		
NOV 14,82	NOV 13,82	700	700	1	28700.0	15641	2	1		
NOV 15,82	NOV 14,82	700	700	1	28400.0	15642	2	1		
NOV 16,82	NOV 15,82	700	700	1	28820.0	15643	2	1		
NOV 17,82	NOV 16,82	700	700	1	28680.0	15645	2	1		
NOV 18,82	NOV 17,82	700	700	1	26460.0	15646	2	1		
NOV 19,82	NOV 18,82	700	700	1	27330.0	15647	2	1		
NOV 20,82	NOV 19,82	700	700	1	27250.0	15648	2	1		
NOV 21,82	NOV 20,82	700	700	1	24300.0	15649	2	1		
NOV 22,82	NOV 21,82	700	700	1	26890.0	15650	2	1		
NOV 23,82	NOV 22,82	700	700	1	27090.0	15651	2	1		
NOV 24,82	NOV 23,82	700	700	1	25850.0	15653	2	1		
NOV 25,82	NOV 24,82	700	700	1	29430.0	15654	2	1		
NOV 26,82	NOV 25,82	700	700	1	28830.0	15655	2	1		
NOV 27,82	NOV 26,82	700	700	1	28300.0	15656	2	1		
NOV 28,82	NOV 27,82	700	700	1	22970.0	15657	2	1		
NOV 29,82	NOV 28,82	700	700	1	25350.0	15658	2	1		
NOV 30,82	NOV 29,82	700	700	1	25340.0	15659	2	1		
DEC 1,82	NOV 30,82	700	800	1	26780.0	15661	2	1		
DEC 2,82	DEC 1,82	800	800	1	25180.0	15662	2	1	J	
DEC 3,82	DEC 2,82	800	800	1	25590.0	15663	2	1		
DEC 4,82	DEC 3,82	800	800	1	25210.0	15664	2	1		X
DEC 5,82	DEC 4,82	800	800	1	27060.0	15665	2	1		
DEC 6,82	DEC 5,82	800	800	1	25560.0	15666	2	1		
DEC 7,82	DEC 6,82	800	800	1	26480.0	15667	2	1	H	
DEC 8,82	DEC 7,82	800	800	1	29180.0	15669	2	1		
DEC 9,82	DEC 8,82	800	800	1	28230.0	15670	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/AIR #01 PAGE : 1A

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3	NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
OCT 31.82	OCT 30.82	8.12		5.50	0.45		0.010		1.32	1.77
NOV 1.82	OCT 31.82	7.14		6.33	0.25	>	2.064		1.53	1.78
NOV 2.82	NOV 1.82	4.48		3.15	0.14		1.324		0.45	0.59
NOV 3.82	NOV 2.82	6.98		3.75	0.30		1.127		0.37	0.67
NOV 4.82	NOV 3.82	1.53		2.48	0.11		0.984		0.32	0.43
NOV 5.82	NOV 4.82	13.26		2.47	0.19		1.103		0.54	0.73
NOV 6.82	NOV 5.82	3.96		2.43	0.13		1.029		0.49	0.63
NOV 7.82	NOV 6.82	13.52		4.52	0.26	>	1.786		0.89	1.15
NOV 8.82	NOV 7.82	17.79		4.03	0.72		1.065		0.48	1.20
NOV 9.82	NOV 8.82	12.00		0.95	0.19		0.930		0.30	0.49
NOV 10.82	NOV 9.82	4.90		1.84	0.06		0.463		0.34	0.40
NOV 11.82	NOV 10.82	15.70		3.42	0.31		1.376		0.62	0.93
NOV 12.82	NOV 11.82	11.47		7.51	1.19	>	1.934		0.24	1.43
NOV 13.82	NOV 12.82	5.07		1.76	0.15		0.517		0.06	0.21
NOV 14.82	NOV 13.82	6.81		1.86	0.37		0.163		0.14	0.51
NOV 15.82	NOV 14.82	18.51		3.82	0.69		1.332		0.06	0.75
NOV 16.82	NOV 15.82	5.95		2.02	0.27		0.556		0.36	0.63
NOV 17.82	NOV 16.82	19.11		5.35	0.35	>	1.734		1.26	1.61
NOV 18.82	NOV 17.82	15.44		9.64	0.29		0.481		2.87	3.16
NOV 19.82	NOV 18.82	16.66		9.86	0.22	>	1.827		2.41	2.64
NOV 20.82	NOV 19.82	12.68		6.68	1.28		1.752		0.56	1.84
NOV 21.82	NOV 20.82	13.64		4.28	0.42		0.689		0.06	0.48
NOV 22.82	NOV 21.82	1.05		1.77	0.14		0.126		0.23	0.37
NOV 23.82	NOV 22.82	4.11		2.12	0.19		0.632		0.59	0.78
NOV 24.82	NOV 23.82	8.57		1.69	0.15		0.389		0.13	0.28
NOV 25.82	NOV 24.82	4.13		2.04	0.12		0.231		0.47	0.59
NOV 26.82	NOV 25.82	12.88		0.87	0.18		0.254		0.41	0.59
NOV 27.82	NOV 26.82	14.33		3.09	0.23		0.817		0.30	0.54
NOV 28.82	NOV 27.82	1.95		2.66	0.13		0.433		0.57	0.70
NOV 29.82	NOV 28.82	8.85		2.32	0.38		0.392		0.24	0.62
NOV 30.82	NOV 29.82	7.04		3.31	0.21		0.873		0.64	0.85
DEC 1.82	NOV 30.82	23.79		5.41	1.00		1.806		0.34	1.33
DEC 2.82	DEC 1.82	13.27		5.40	0.43		1.713		1.12	1.55
DEC 3.82	DEC 2.82	29.97		4.65	0.45		0.955		0.37	0.82
DEC 4.82	DEC 3.82	******		******	******		******		******	******
DEC 5.82	DEC 4.82	******		2.31	0.24		0.312		0.30	0.54
DEC 6.82	DEC 5.82	3.80		2.20	0.18		0.878		0.65	0.83
DEC 7.82	DEC 6.82	4.91		1.04	0.18		0.443		0.23	0.40
DEC 8.82	DEC 7.82	4.63		0.17	0.09		0.180		0.06	0.15
DEC 9.82	DEC 8.82	6.78	<T	0.04	0.40		0.042	<W	0.01	0.40

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/AIR #01

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
DEC 10,82	DEC 9,82	800	800	1	28980.0	15671	2	1		
DEC 11,82	DEC 10,82	800	800	1	28020.0	15672	2	1		
DEC 12,82	DEC 11,82	800	800	1	28670.0	15673	2	1		
DEC 13,82	DEC 12,82	800	800	1	28750.0	15674	2	1		
DEC 14,82	DEC 13,82	800	800	1	28470.0	15675	2	1		
DEC 15,82	DEC 14,82	800	800	1	28240.0	15677	2	1		
DEC 16,82	DEC 15,82	800	800	1	24650.0	15678	2	1		
DEC 17,82	DEC 16,82	800	800	1	27960.0	15679	2	1		
DEC 18,82	DEC 17,82	800	800	1	28390.0	15680	2	1		
DEC 19,82	DEC 18,82	800	800	1	26220.0	15681	2	1		
DEC 20,82	DEC 19,82	800	800	1	24140.0	15682	2	1		
DEC 21,82	DEC 20,82	800	800	1	26890.0	15683	2	1		
DEC 22,82	DEC 21,82	800	800	1	28340.0	15685	2	1		
DEC 23,82	DEC 22,82	800	800	1	27460.0	15686	2	1		
DEC 24,82	DEC 23,82	800	800	1	24660.0	16687	2	1		
DEC 25,82	DEC 24,82	800	800	1	26760.0	15688	2	1		
DEC 26,82	DEC 25,82	800	800	1	26390.0	15689	2	1		
DEC 27,82	DEC 26,82	800	800	1	26840.0	15690	2	1		
DEC 28,82	DEC 27,82	800	800	1	25730.0	15691	2	1		
DEC 29,82	DEC 28,82	800	800	1	27640.0	15693	2	1		
DEC 30,82	DEC 29,82	940	800	1	29040.0	15694	2	1		
DEC 31,82	DEC 30,82	800	800	1	28400.0	15695	2	1		
JAN 1,83	DEC 31,82	800	800	1	28200.0	15696	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/AIR #01

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
DEC 10,82	DEC 9,82	7.74	1.03	0.15	0.107	0.28	0.43
DEC 11,82	DEC 10,82	19.32	6.39	0.59	0.961	0.54	1.12
DEC 12,82	DEC 11,82	5.39	1.57	0.06	0.608	0.25	0.31
DEC 13,82	DEC 12,82	3.06	1.70	0.03	0.617	0.35	0.39
DEC 14,82	DEC 13,82	15.65	3.25	0.31	1.080	0.52	0.83
DEC 15,82	DEC 14,82	16.23	5.03	0.85	1.182	0.12	0.97
DEC 16,82	DEC 15,82	2.76	0.30	0.00	0.059	0.03	0.03
DEC 17,82	DEC 16,82	10.78	1.47	0.09	0.410	0.04	0.14
DEC 18,82	DEC 17,82	48.34	2.64	0.12	0.456	0.66	0.78
DEC 19,82	DEC 18,82	******	5.30	0.62	1.009	0.04	0.65
DEC 20,82	DEC 19,82	8.76	1.81	0.19	0.545	0.12	0.32
DEC 21,82	DEC 20,82	2.04	1.35	0.16	0.324	0.07	0.24
DEC 22,82	DEC 21,82	4.28	2.89	0.11	0.180	0.30	0.41
DEC 23,82	DEC 22,82	51.29	0.07	0.89	0.006	<W 0.01	0.89
DEC 24,82	DEC 23,82	12.87	4.68	0.99	1.142	0.07	1.06
DEC 25,82	DEC 24,82	11.86	3.06	0.45	0.839	0.14	0.59
DEC 26,82	DEC 25,82	4.71	2.92	0.25	0.273	0.19	0.44
DEC 27,82	DEC 26,82	2.02	2.22	0.09	0.762	0.15	0.24
DEC 28,82	DEC 27,82	11.44	0.22	0.30	0.097	0.02	0.32
DEC 29,82	DEC 28,82	3.88	0.84	0.19	0.051	0.02	0.21
DEC 30,82	DEC 29,82	16.14	2.90	0.00	0.958	0.69	0.69
DEC 31,82	DEC 30,82	29.28	4.15	0.19	1.679	1.07	1.27
JAN 1,83	DEC 31,82	13.77	3.62	0.23	> 1.768	1.06	1.30

PART IV

CENTRAL REGION DAILY AMBIENT AIR CONCENTRATION RESULTS

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/AIR #02

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
JAN 2.82	JAN 1.82	700	700	1	26820.0	25282	2	1		
JAN 3.82	JAN 2.82	700	700	1	29360.0	25283	2	1		
JAN 4.82	JAN 3.82	700	700	1	25570.0	25284	2	1		
JAN 5.82	JAN 4.82	700	700	1	27340.0	25285	2	1		
JAN 6.82	JAN 5.82	700	700	1	29330.0	25286	2	1		
JAN 7.82	JAN 6.82	700	700	1	28480.0	25287	2	1		
JAN 8.82	JAN 7.82	700	700	1	29770.0	25289	2	1	H	
JAN 9.82	JAN 8.82	700	700	1	26650.0	25290	2	1	A	7
JAN 11.82	JAN 9.82	700	700	1	57620.0	25291	2	1	I	
JAN 12.82	JAN 11.82	700	700	1	30100.0	25292	2	1		
JAN 13.82	JAN 12.82	700	700	1	28810.0	25293	2	1		
JAN 14.82	JAN 13.82	700	700	1	27820.0	25294	2	1		
JAN 15.82	JAN 14.82	700	700	1	28590.0	25295	2	1		
JAN 16.82	JAN 15.82	700	700	1	28550.0	25297	2	1		
JAN 17.82	JAN 16.82	700	700	1	28160.0	25298	2	1		
JAN 18.82	JAN 17.82	700	700	1	30050.0	25299	2	1		
JAN 19.82	JAN 18.82	700	700	1	28950.0	25300	2	1		
JAN 20.82	JAN 19.82	700	700	1	28380.0	25301	2	1		
JAN 21.82	JAN 20.82	700	700	1	29480.0	25302	2	1		
JAN 22.82	JAN 21.82	700	700	1	30490.0	25311	2	1		
JAN 23.82	JAN 22.82	700	700	1	29340.0	25312	2	1		
JAN 24.82	JAN 23.82	700	700	1	27830.0	25313	2	1	E	
JAN 25.82	JAN 24.82	700	700	1	41160.0	25314	2	1		
JAN 26.82	JAN 25.82	700	700	1	30160.0	25315	2	1		
JAN 27.82	JAN 26.82	700	700	1	30190.0	25316	2	1		
JAN 28.82	JAN 27.82	700	700	1	29020.0	25317	2	1		
JAN 29.82	JAN 28.82	700	700	1	28090.0	25327	2	1		
JAN 30.82	JAN 29.82	700	700	1	27320.0	25328	2	1		
JAN 31.82	JAN 30.82	700	700	1	27230.0	25329	2	1	G	
FEB 1.82	JAN 31.82	700	700	1	40780.0	25330	2	1		
FEB 2.82	FEB 1.82	700	700	1	28870.0	25331	2	1		
FEB 3.82	FEB 2.82	700	700	1	28280.0	25332	2	1		
FEB 4.82	FEB 3.82	700	700	1	27850.0	25333	2	1		
FEB 5.82	FEB 4.82	700	700	1	29310.0	25343	2	1		
FEB 6.82	FEB 5.82	700	700	1	25320.0	25344	2	1		
FEB 7.82	FEB 6.82	700	700	1	27490.0	25345	2	1		
FEB 8.82	FEB 7.82	700	700	1	37710.0	25346	2	1		
FEB 9.82	FEB 8.82	700	700	1	27670.0	25347	2	1		
FEB 10.82	FEB 9.82	700	700	1	28160.0	25348	2	1		
FEB 11.82	FEB 10.82	700	700	1	29030.0	25349	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/AIR #02 PAGE : 2

REMOVAL DATE	EXPOSURE DATE		SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N JG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N JG/M**3		TOTL NO3 AS N UG/M**3
JAN 2.82	JAN 1.82		6.39		1.84		0.23		0.308		0.01		0.24
JAN 3.82	JAN 2.82		1.30		0.45		0.13		0.074		0.01		0.14
JAN 4.82	JAN 3.82		8.39		3.11		1.08		0.603		0.00		1.08
JAN 5.82	JAN 4.82		5.65		1.85		0.23		0.406		0.04		0.27
JAN 6.82	JAN 5.82		9.70		2.11		0.17		0.295		0.13		0.29
JAN 7.82	JAN 6.82		8.83		2.31		0.49		0.531		0.05		0.54
JAN 8.82	JAN 7.82		45.29		2.17		0.06		0.278		0.00		0.06
JAN 9.82	JAN 8.82		12.70		1.94		0.23		0.415		0.01		0.24
JAN 11.82	JAN 9.82		7.09		0.87		0.04		0.097		0.02		0.06
JAN 12.82	JAN 11.82		2.71		0.18		0.02		0.017		0.02		0.04
JAN 13.82	JAN 12.82		12.79		2.14		0.14		0.211		0.36		0.50
JAN 14.82	JAN 13.82		4.47		2.04		0.36		0.216		0.23		0.59
JAN 15.82	JAN 14.82		3.30		2.37		0.29		0.319		0.02		0.31
JAN 16.82	JAN 15.82	U	75.69	U	6.60	U	1.12	U	1.138	U	0.00		******
JAN 17.82	JAN 16.82		46.16		3.11		0.44		0.626		0.03		0.46
JAN 18.82	JAN 17.82		9.41		1.29		0.04		0.172		******		******
JAN 19.82	JAN 18.82		14.16		3.59		0.51		0.795		0.02		0.53
JAN 20.82	JAN 19.82		35.23		8.88		0.83		0.892		0.03		0.85
JAN 21.82	JAN 20.82		9.02		1.91		0.22		0.408		0.03		0.25
JAN 22.82	JAN 21.82		1.19		0.00		0.06		0.117		0.00		0.06
JAN 23.82	JAN 22.82		0.00		1.25		0.11		0.294		0.02		0.13
JAN 24.82	JAN 23.82		13.54		3.73		0.48		0.876		0.00		0.48
JAN 25.82	JAN 24.82		0.00		0.00		0.03		0.000		0.00		0.03
JAN 26.82	JAN 25.82		11.70		******		0.06		0.460		******		******
JAN 27.82	JAN 26.82		8.48		2.21		0.10		0.532		0.00		0.10
JAN 28.82	JAN 27.82		32.73		4.68		1.03		1.064		0.07		1.10
JAN 29.82	JAN 28.82		18.09		2.91		0.54		0.565		0.00		0.54
JAN 30.82	JAN 29.82		11.39		2.22		0.43		0.543		0.02		0.45
JAN 31.82	JAN 30.82		14.99		4.62		0.89		0.508		0.01		0.89
FEB 1.82	JAN 31.82		1.41		0.00		0.15		0.000	<W	0.00		0.15
FEB 2.82	FEB 1.82		14.83		1.88		0.16		0.392	<W	0.00		0.16
FEB 3.82	FEB 2.82		15.00		4.52		0.77		0.991		0.01		0.79
FEB 4.82	FEB 3.82		17.64		3.55		0.47		0.719		0.01		0.49
FEB 5.82	FEB 4.82		10.87		1.88		0.00		0.504	<W	0.00		0.00
FEB 6.82	FEB 5.82		11.79		2.07		0.14		0.465	<W	0.01		0.14
FEB 7.82	FEB 6.82		6.86		3.55		0.36		0.702	<W	0.01		0.36
FEB 8.82	FEB 7.82		2.69		0.56		0.11		0.141	<W	0.01		0.11
FEB 9.82	FEB 8.82		6.09		2.57		0.57		0.625	<T	0.01		0.57
FEB 10.82	FEB 9.82		4.46		2.31		0.61		0.411		0.04		0.66
FEB 11.82	FEB 10.82		7.53		3.62		0.66		0.757		0.05		0.71

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/AIR

#02

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
				1	29090.0	25359	2	1		
FEB 12.82	FEB 11.82	700	700	1	27630.0	25360	2	1		
FEB 13.82	FEB 12.82	700	700	1	28080.0	25361	2	1		
FEB 14.82	FEB 13.82	700	700	1	28090.0	25362	2	1		
FEB 15.82	FEB 14.82	700	700	1	27880.0	25363	2	1		
FEB 16.82	FEB 15.82	700	700	1	28760.0	25364	2	1		
FEB 17.82	FEB 16.82	700	700	1	29280.0	25365	2	1		
FEB 18.82	FEB 17.82	700	700	1	29100.0	25375	2	1		
FEB 19.82	FEB 18.82	700	700	1	23500.0	25376	2	1		
FEB 20.82	FEB 19.82	700	700	1	23620.0	25377	2	1		
FEB 21.82	FEB 20.82	700	700	1	27680.0	25378	2	1		
FEB 22.82	FEB 21.82	700	700	1	27860.0	25379	2	1		
FEB 23.82	FEB 22.82	700	700	1	27900.0	25380	2	1	I	
FEB 24.82	FEB 23.82	700	700	1	29610.0	25389	2	1		
FEB 25.82	FEB 24.82	700	700	1	29150.0	25390	2	1		
FEB 26.82	FEB 25.82	700	700	1	27450.0	25391	2	1		
FEB 27.82	FEB 26.82	700	700	1	27670.0	25392	2	1		
FEB 28.82	FEB 27.82	700	700	1	28490.0	25393	2	1		
MAR 1.82	FEB 28.82	700	700	1	27250.0	25394	2	1		
MAR 2.82	MAR 1.82	700	700	1	28480.0	25395	2	1		
MAR 3.82	MAR 2.82	700	700	1	29370.0	25405	2	1		
MAR 4.82	MAR 3.82	700	700	1	26700.0	25406	2	1		
MAR 5.82	MAR 4.82	700	700	1	28250.0	25407	2	1		
MAR 6.82	MAR 5.82	700	700	1	27760.0	25408	2	1		
MAR 7.82	MAR 6.82	700	700	1	29330.0	25409	2	1		
MAR 8.82	MAR 7.82	700	700	1	30110.0	25410	2	1		
MAR 9.82	MAR 8.82	700	700	1	29490.0	25411	2	1	J	
MAR 10.82	MAR 9.82	700	700	1	29360.0	25414	2	1	J	
MAR 11.82	MAR 10.82	700	700	1	25150.0	25415	2	1	J	
MAR 12.82	MAR 11.82	700	700	1	27990.0	25416	2	1	G	
MAR 13.82	MAR 12.82	700	700	1	37260.0	25417	2	1		
MAR 14.82	MAR 13.82	700	700	1	29090.0	25418	2	1		
MAR 15.82	MAR 14.82	700	700	1	28820.0	25419	2	1		
MAR 16.82	MAR 15.82	700	700	1	28480.0	25420	2	1		
MAR 17.82	MAR 16.82	700	700	1	28210.0	25421	2	1	I	
MAR 18.82	MAR 17.82	700	700	1	25920.0	25422	2	1		
MAR 19.82	MAR 18.82	700	700	1	28510.0	25423	2	1		
MAR 20.82	MAR 19.82	700	700	1	29120.0	25424	2	1		
MAR 21.82	MAR 20.82	700	700	1	28450.0	25425	2	1		
MAR 22.82	MAR 21.82	700	700	1	29050.0	25426	2	1		
MAR 23.82	MAR 22.82	700	700							

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/AIR #02 PAGE : 4

REMOVAL DATE	EXPOSURE DATE		SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3		TOTL NO3 AS N UG/M**3
FEB 12,82	FEB 11,82		20.32		******		1.44		1.290		******		******
FEB 13,82	FEB 12,82		0.52		3.21		0.46		0.781	<W	0.01		0.46
FEB 14,82	FEB 13,82		3.96		2.18		0.27		0.455	<W	0.01		0.27
FEB 15,82	FEB 14,82		20.59		7.83		1.16		1.452	<W	0.01		1.16
FEB 16,82	FEB 15,82		24.90		11.44		0.00	>	1.786	<W	0.01		0.00
FEB 17,82	FEB 16,82		12.11		2.35		0.18		0.451	<W	0.01		0.18
FEB 18,82	FEB 17,82		1.40		0.94		0.09		0.247	<W	0.01		0.09
FEB 19,82	FEB 18,82		7.48		2.19		0.42		0.667	U	0.25		******
FEB 20,82	FEB 19,82		12.40		3.51		1.07		0.599	<W	0.01		1.07
FEB 21,82	FEB 20,82		5.69		6.99		0.24		0.934	<W	0.01		0.24
FEB 22,82	FEB 21,82		4.14		1.90		0.15		0.239	<W	0.01		0.15
FEB 23,82	FEB 22,82		8.77		4.13		0.28		0.684	<W	0.01		0.28
FEB 24,82	FEB 23,82		0.41		2.73		0.33		0.526	<T	0.01		0.33
FEB 25,82	FEB 24,82		7.56		******		0.02		0.369		******		******
FEB 26,82	FEB 25,82		10.10		1.46		0.15		0.366		0.01		0.16
FEB 27,82	FEB 26,82		2.71		0.64		0.00		0.066		0.31		0.31
FEB 28,82	FEB 27,82		4.96		2.13		0.20		0.545		0.02		0.21
MAR 1,82	FEB 28,82		12.44		1.80		0.11		0.445		0.04		0.15
MAR 2,82	MAR 1,82		10.18		5.36		0.58		0.931		0.02		0.60
MAR 3,82	MAR 2,82		4.36		4.42		0.06		0.282		0.02		0.08
MAR 4,82	MAR 3,82		1.02		2.25		0.06		0.541	<W	0.01		0.06
MAR 5,82	MAR 4,82		7.49		2.48		0.28		0.600	<W	0.01		0.28
MAR 6,82	MAR 5,82		5.06		2.30		0.22		0.339	<W	0.01		0.22
MAR 7,82	MAR 6,82		22.70		7.17		1.63		1.139	<W	0.01		1.63
MAR 8,82	MAR 7,82		16.50		3.41		1.00		0.386	<W	0.01		1.00
MAR 9,82	MAR 8,82		10.96		2.62		0.21		0.433		0.02		0.23
MAR 10,82	MAR 9,82		9.16		5.02		0.42		0.645	<W	0.01		0.42
MAR 11,82	MAR 10,82	>	21.14		10.87		1.69		1.286	<W	0.01		1.69
MAR 12,82	MAR 11,82		14.48		10.42		0.96		1.381	<W	0.01		0.96
MAR 13,82	MAR 12,82		13.26		10.04		1.09		1.241	<W	0.01		1.09
MAR 14,82	MAR 13,82		0.01	<W	0.01		0.02		0.000	<W	0.01		0.02
MAR 15,82	MAR 14,82		0.47		1.68		0.10		0.376	<W	0.01		0.10
MAR 16,82	MAR 15,82		1.29		0.87		0.07		0.251		0.02		0.09
MAR 17,82	MAR 16,82		2.01		1.76		0.20		0.056	<W	0.01		0.20
MAR 18,82	MAR 17,82		0.09		0.82		0.16		0.156	<T	0.01		0.16
MAR 19,82	MAR 18,82		7.28		2.10		0.63		0.423	<W	0.01		0.63
MAR 20,82	MAR 19,82		2.66		2.83		0.18		0.409	<T	0.01		0.18
MAR 21,82	MAR 20,82		4.42		1.74		0.06		0.299		0.01		0.07
MAR 22,82	MAR 21,82		4.77		2.97		0.22		0.649	<T	0.01		0.22
MAR 23,82	MAR 22,82		5.81		2.78		0.10		0.463	<T	0.00		0.11

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/AIR #02

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
MAR 24.82	MAR 23.82	700	700	1	28940.0	25427	2	1		
MAR 25.82	MAR 24.82	700	700	1	29340.0	25429	2	1		
MAR 26.82	MAR 25.82	700	700	1	26910.0	25430	2	1		
MAR 27.82	MAR 26.82	700	700	1	29670.0	25431	2	1		
MAR 28.82	MAR 27.82	700	700	1	30580.0	25432	2	1		
MAR 29.82	MAR 28.82	700	700	1	29650.0	25433	2	1		
MAR 30.82	MAR 29.82	700	700	1	28810.0	25434	2	1		
MAR 31.82	MAR 30.82	700	700	1	28500.0	25435	2	1		
APR 1.82	MAR 31.82	700	700	1	28630.0	25437	2	1		
APR 2.82	APR 1.82	700	700	1	28790.0	25438	2	1		
APR 3.82	APR 2.82	700	700	1	29080.0	25439	2	1		
APR 4.82	APR 3.82	700	700	1	27600.0	25440	2	1		
APR 5.82	APR 4.82	700	700	1	30380.0	25441	2	1		
APR 6.82	APR 5.82	700	700	1	30210.0	25442	2	1		
APR 7.82	APR 6.82	700	700	1	30610.0	25443	2	1		
APR 8.82	APR 7.82	700	750	1	31560.0	25445	2	1	A	
APR 9.82	APR 8.82	750	700	1	26540.0	25446	2	1	A	
APR 10.82	APR 9.82	700	700	1	28070.0	25447	2	1		
APR 11.82	APR 10.82	700	700	1	28040.0	25448	2	1		
APR 12.82	APR 11.82	700	700	1	27030.0	25449	2	1		
APR 13.82	APR 12.82	700	700	1	28900.0	25450	2	1		
APR 14.82	APR 13.82	700	700	1	28850.0	25451	2	1		
APR 15.82	APR 14.82	700	700	1	29160.0	25453	2	1		
APR 16.82	APR 15.82	700	700	1	28190.0	25454	2	1		
APR 17.82	APR 16.82	700	700	1	26320.0	25455	2	1		
APR 18.82	APR 17.82	700	700	1	26720.0	25456	2	1		
APR 19.82	APR 18.82	700	700	1	29140.0	25457	2	1		
APR 20.82	APR 19.82	700	700	1	28460.0	25458	2	1		
APR 21.82	APR 20.82	700	700	1	27850.0	25460	2	1		
APR 22.82	APR 21.82	700	700	1	29120.0	25461	2	1		
APR 23.82	APR 22.82	700	700	1	29360.0	25462	2	1	A	7
APR 25.82	APR 23.82	700	700	1	56490.0	25463	2	1		
APR 26.82	APR 25.82	700	700	1	28460.0	25464	2	1		
APR 27.82	APR 26.82	700	700	1	28490.0	25465	2	1		
APR 28.82	APR 27.82	700	700	1	29090.0	25467	2	1		
APR 29.82	APR 28.82	700	700	1	28960.0	25468	2	1		
APR 30.82	APR 29.82	700	700	1	28800.0	25469	2	1		
MAY 1.82	APR 30.82	700	700	1	28580.0	25470	2	1		
MAY 2.82	MAY 1.82	700	700	1	28930.0	25471	2	1		
MAY 3.82	MAY 2.82	700	700	1	27190.0	25472	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/AIR #02

REMOVAL DATE	EXPOSURE DATE		SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3		TOTL NO3 AS N UG/M**3
MAR 24.82	MAR 23.82		9.28		3.44		0.48		0.932		0.14		0.62
MAR 25.82	MAR 24.82	>	19.71		7.89		1.48	>	1.698		0.00		1.48
MAR 26.82	MAR 25.82		1.65		1.25		0.29		0.266		0.01		0.30
MAR 27.82	MAR 26.82		6.22		0.93		0.07		0.092	<W	0.00		0.07
MAR 28.82	MAR 27.82		11.07		1.06		0.06		0.066		0.01		0.07
MAR 29.82	MAR 28.82		7.36		0.76		0.48		0.115		0.03		0.51
MAR 30.82	MAR 29.82		8.27		4.34		1.24		1.252		0.42		1.66
MAR 31.82	MAR 30.82		35.28		4.52		1.31		1.153		0.18		1.49
APR 1.82	MAR 31.82		2.52		2.14		0.34		0.604		0.04		0.38
APR 2.82	APR 1.82		0.78		1.22		0.07		0.249		0.03		0.10
APR 3.82	APR 2.82		1.92		1.46		0.15		0.394		0.43		0.58
APR 4.82	APR 3.82		2.02		1.36		0.25		0.225		0.04		0.28
APR 5.82	APR 4.82		5.22		3.13		0.04		0.344		0.16		0.21
APR 6.82	APR 5.82		1.73		1.57		0.05		0.177	<W	0.01		0.05
APR 7.82	APR 6.82		3.03		3.02		0.04		0.111	<T	0.01		0.05
APR 8.82	APR 7.82		0.00		2.57		0.02		0.497		0.03		0.05
APR 9.82	APR 8.82		4.49		2.97		0.07		0.650		0.02		0.09
APR 10.82	APR 9.82		2.94		2.85		0.08		0.696		0.03		0.11
APR 11.82	APR 10.82		6.37	>	8.92		0.92	>	1.774		0.03		0.95
APR 12.82	APR 11.82		7.50		8.14		0.38		1.415		0.03		0.41
APR 13.82	APR 12.82		9.44		8.30		0.49		1.680	<T	0.01		0.49
APR 14.82	APR 13.82		10.49		4.02		0.21		0.771	<T	0.01		0.22
APR 15.82	APR 14.82		1.88		3.26		0.03		0.605	<W	0.01		0.03
APR 16.82	APR 15.82		9.38		5.46		0.59		1.247		0.25		0.83
APR 17.82	APR 16.82		22.47	>	9.50		1.42	>	1.898		0.28		1.69
APR 18.82	APR 17.82		6.04		2.43		0.42		0.702		0.05		0.47
APR 19.82	APR 18.82		0.28		1.33		0.07		0.299		0.02		0.09
APR 20.82	APR 19.82		5.57		1.93		0.40		0.473		0.11		0.51
APR 21.82	APR 20.82		5.44		3.59		0.31		1.020	<T	0.01		0.32
APR 22.82	APR 21.82		6.33		1.85		0.07		0.497		0.02		0.08
APR 23.82	APR 22.82		6.42		2.13		0.09		0.516		0.03		0.12
APR 25.82	APR 23.82		2.98		4.32		0.44		0.876		0.41		0.85
APR 26.82	APR 25.82		11.65	>	8.78		0.96	>	1.755		0.33		1.29
APR 27.82	APR 26.82		5.67		8.49		0.54	>	1.753	U	1.14		******
APR 28.82	APR 27.82		9.44		5.64		0.07		0.652	<W	0.01		0.07
APR 29.82	APR 28.82		5.47		2.16		0.13		0.519	<W	0.01		0.13
APR 30.82	APR 29.82		6.65		4.20		0.14		0.959		0.02		0.16
MAY 1.82	APR 30.82		******		4.27		0.99		0.991	<T	0.01		1.00
MAY 2.82	MAY 1.82		8.10		6.05		0.28		1.394		0.03		0.32
MAY 3.82	MAY 2.82		2.63		4.12		0.14		1.090	<W	0.01		0.14

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/AIR #02

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
MAY 4.82	MAY 3.82	700	700	1	28820.0	25473	2	1		
MAY 5.82	MAY 4.82	700	700	1	29120.0	25475	2	1		
MAY 6.82	MAY 5.82	700	700	1	27950.0	25476	2	1		
MAY 7.82	MAY 6.82	700	700	1	28150.0	25477	2	1		
MAY 8.82	MAY 7.82	700	700	1	38510.0	25478	2	1	GI	
MAY 9.82	MAY 8.82	700	700	1	28150.0	25479	2	1		
MAY 10.82	MAY 9.82	700	700	1	28980.0	25480	2	1		
MAY 11.82	MAY 10.82	700	700	1	28870.0	25481	2	1		
MAY 12.82	MAY 11.82	700	700	1	28060.0	25483	2	1		
MAY 13.82	MAY 12.82	700	700	1	28170.0	25484	2	1		
MAY 14.82	MAY 13.82	700	700	1	29080.0	25485	2	1		
MAY 15.82	MAY 14.82	700	700	1	28990.0	25486	2	1		
MAY 16.82	MAY 15.82	700	700	1	28710.0	25487	2	1		
MAY 17.82	MAY 16.82	700	700	1	27390.0	25488	2	1		
MAY 18.82	MAY 17.82	700	700	1	28830.0	25489	2	1		
MAY 19.82	MAY 18.82	700	700	1	29080.0	25491	2	1	I	
MAY 20.82	MAY 19.82	700	700	1	26220.0	25492	2	1		
MAY 21.82	MAY 20.82	700	700	1	27200.0	25493	2	1		
MAY 22.82	MAY 21.82	700	700	1	28700.0	25494	2	1		
MAY 23.82	MAY 22.82	700	700	1	29160.0	25495	2	1		
MAY 24.82	MAY 23.82	700	700	1	26650.0	25496	2	1		
MAY 25.82	MAY 24.82	700	700	1	25600.0	25497	2	1		
MAY 26.82	MAY 25.82	700	700	1	26620.0	25499	2	1	J	
MAY 27.82	MAY 26.82	700	700	1	26100.0	25500	2	1	J	
MAY 28.82	MAY 27.82	700	700	1	26850.0	25501	2	1		
MAY 29.82	MAY 28.82	700	700	1	25930.0	25502	2	1		
MAY 30.82	MAY 29.82	700	700	1	26330.0	25503	2	1		
MAY 31.82	MAY 30.82	700	700	1	25320.0	25504	2	1		
JUN 1.82	MAY 31.82	700	700	1	26660.0	25505	2	1		
JUN 2.82	JUN 1.82	700	700	1	26160.0	25507	2	1		
JUN 3.82	JUN 2.82	700	700	1	29070.0	25508	2	1		
JUN 4.82	JUN 3.82	700	700	1	28050.0	25509	2	1		
JUN 5.82	JUN 4.82	700	700	1	38980.0	25510	2	1	G	
JUN 6.82	JUN 5.82	700	700	1	28660.0	25511	2	1		
JUN 7.82	JUN 6.82	700	700	1	28180.0	25512	2	1		
JUN 8.82	JUN 7.82	700	700	1	27320.0	25513	2	1		
JUN 9.82	JUN 8.82	700	700	1	26300.0	25515	2	1		
JUN 10.82	JUN 9.82	700	700	1	27670.0	25516	2	1		
JUN 11.82	JUN 10.82	700	700	1	26250.0	25517	2	1		
JUN 12.82	JUN 11.82	700	700	1	27410.0	25518	2	1	G	

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/AIR #02

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
MAY 4,82	MAY 3,82	2.83		4.09	0.20	1.007		0.03	0.22
MAY 5,82	MAY 4,82	3.37		3.98	0.19	0.832		0.02	0.21
MAY 6,82	MAY 5,82	7.93		5.37	0.76	1.107		0.28	1.04
MAY 7,82	MAY 6,82	21.05	>	8.88	1.69	1.774		0.20	1.90
MAY 8,82	MAY 7,82	0.14	<W	0.01	0.02	0.007	<W	0.01	0.02
MAY 9,82	MAY 8,82	4.21		0.09	0.17	0.637	<T	0.01	0.17
MAY 10,82	MAY 9,82	0.64		0.43	0.05	0.108	<T	0.01	0.06
MAY 11,82	MAY 10,82	0.30		0.52	0.04	0.119	<T	0.01	0.05
MAY 12,82	MAY 11,82	8.30		3.25	0.66	0.747		0.29	0.96
MAY 13,82	MAY 12,82	5.62		5.11	0.57	1.101		0.12	0.70
MAY 14,82	MAY 13,82	0.05	<W	0.01	0.08	0.243	<W	0.01	0.08
MAY 15,82	MAY 14,82	1.08		1.25	0.14	0.330		0.14	0.28
MAY 16,82	MAY 15,82	3.78		4.81	0.53	1.126		0.42	0.95
MAY 17,82	MAY 16,82	3.45		5.55	0.25	0.914		0.03	0.28
MAY 18,82	MAY 17,82	0.28		1.08	0.07	0.291		0.06	0.13
MAY 19,82	MAY 18,82	2.19		0.09	0.37	0.149	<W	0.01	0.37
MAY 20,82	MAY 19,82	0.91		0.43	0.50	0.075		0.02	0.52
MAY 21,82	MAY 20,82	1.00		2.39	0.09	0.201		0.02	0.11
MAY 22,82	MAY 21,82	0.83	<W	0.04	0.06	0.037	<T	0.01	0.06
MAY 23,82	MAY 22,82	1.27		2.23	0.15	0.510		0.13	0.28
MAY 24,82	MAY 23,82	0.39		0.19	0.13	0.053	<W	0.01	0.13
MAY 25,82	MAY 24,82	0.15		2.73	0.17	0.319	<W	0.01	0.17
MAY 26,82	MAY 25,82	2.81		11.02	0.10	0.240	<T	0.01	0.11
MAY 27,82	MAY 26,82	2.35		7.64	0.01	1.607	<W	0.01	0.01
MAY 28,82	MAY 27,82	2.54		22.10	0.68	3.722	<W	0.01	0.68
MAY 29,82	MAY 28,82	0.96		7.38	0.42	1.396	<W	0.01	0.42
MAY 30,82	MAY 29,82	0.94		16.58	0.63	1.650	<W	0.01	0.63
MAY 31,82	MAY 30,82	0.73		10.60	0.34	1.459	<W	0.01	0.34
JUN 1,82	MAY 31,82	2.68		13.82	0.76	2.295	<W	0.01	0.76
JUN 2,82	JUN 1,82	0.00		5.48	0.22	0.742	<W	0.01	0.22
JUN 3,82	JUN 2,82	1.38		0.52	0.03	0.047	<T	0.01	0.04
JUN 4,82	JUN 3,82	0.00		0.22	0.02	0.072	<W	0.01	0.02
JUN 5,82	JUN 4,82	0.77	<W	0.03	0.00	0.000	<W	0.01	0.00
JUN 6,82	JUN 5,82	1.74		4.71	0.32	0.704	<W	0.01	0.32
JUN 7,82	JUN 6,82	0.71		1.86	0.13	0.319		0.02	0.15
JUN 8,82	JUN 7,82	0.00		2.42	0.19	0.501		0.05	0.23
JUN 9,82	JUN 8,82	0.00		5.68	0.24	1.301		0.01	0.25
JUN 10,82	JUN 9,82	1.86		6.67	0.56	1.227		0.05	0.61
JUN 11,82	JUN 10,82	2.98		2.22	0.30	0.504		0.01	0.32
JUN 12,82	JUN 11,82	1.51		1.17	0.15	0.113		0.05	0.21

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/AIR #02

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AFS 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
JUN 13,82	JUN 12,82	700	700	1	27640.0	25519	2	1		
JUN 14,82	JUN 13,82	700	700	1	27070.0	25520	2	1		
JUN 15,82	JUN 14,82	700	700	1	27600.0	25521	2	1		
JUN 16,82	JUN 15,82	700	700	1	25950.0	25523	2	1		
JUN 17,82	JUN 16,82	700	700	1	25280.0	25524	2	1		
JUN 18,82	JUN 17,82	700	700	1	26370.0	25525	2	1		
JUN 19,82	JUN 18,82	700	700	1	25580.0	25526	2	1		
JUN 20,82	JUN 19,82	700	700	1	25880.0	25527	2	1		
JUN 21,82	JUN 20,82	700	700	1	26180.0	25528	2	1		
JUN 22,82	JUN 21,82	700	700	1	26060.0	25529	2	1		
JUN 23,82	JUN 22,82	700	700	1	26180.0	25531	2	1		
JUN 24,82	JUN 23,82	700	700	1	26190.0	25532	2	1		
JUN 25,82	JUN 24,82	700	700	1	27570.0	25533	2	1		
JUN 26,82	JUN 25,82	700	700	1	25050.0	25534	2	1		
JUN 27,82	JUN 26,82	700	700	1	26570.0	25535	2	1		
JUN 28,82	JUN 27,82	700	700	1	26840.0	25536	2	1		
JUN 29,82	JUN 28,82	700	700	1	26700.0	25537	2	1		
JUN 30,82	JUN 29,82	700	700	1	26480.0	25539	2	1		
JUL 1,82	JUN 30,82	700	700	1	26670.0	25540	2	1		
JUL 2,82	JUL 1,82	700	700	1	28550.0	25541	2	1		
JUL 4,82	JUL 2,82	700	700	1	54490.0	25542	2	1	A	Z
JUL 5,82	JUL 4,82	700	700	1	27470.0	25543	2	1		
JUL 6,82	JUL 5,82	700	700	1	28380.0	25544	2	1		
JUL 7,82	JUL 6,82	700	200	1	28790.0	25545	2	1	A	
JUL 8,82	JUL 7,82	800	700	1	26350.0	25547	2	1	A	
JUL 9,82	JUL 8,82	700	700	1	27520.0	25548	2	1		
JUL 10,82	JUL 9,82	700	700	1	28050.0	25549	2	1		
JUL 11,82	JUL 10,82	700	700	1	28070.0	25550	2	1		
JUL 12,82	JUL 11,82	700	700	1	26660.0	25551	2	1		
JUL 13,82	JUL 12,82	700	700	1	25930.0	25552	2	1		
JUL 14,82	JUL 13,82	700	700	1	27220.0	25553	2	1		
JUL 15,82	JUL 14,82	700	700	1	26920.0	25555	2	1		
JUL 16,82	JUL 15,82	700	700	1	25990.0	25556	2	1		
JUL 17,82	JUL 16,82	700	700	1	26790.0	25557	2	1		
JUL 18,82	JUL 17,82	700	700	1	25680.0	25558	2	1		
JUL 19,82	JUL 18,82	700	700	1	26530.0	25559	2	1		
JUL 20,82	JUL 19,82	700	700	1	27030.0	25560	2	1		
JUL 21,82	JUL 20,82	800	800	1	25660.0	25562	2	1		
JUL 22,82	JUL 21,82	800	800	1	26370.0	25563	2	1		
JUL 23,82	JUL 22,82	800	800	1	27640.0	25564	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/AIR #02 PAGE : 10

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3	NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3		TOTL NO3 AS N UG/M**3	
JUN 13.82	JUN 12.82	6.20		8.88	0.60		0.353		0.17		0.76	
JUN 14.82	JUN 13.82	2.02		4.93	0.60		1.239		0.03		0.64	
JUN 15.82	JUN 14.82	1.62		1.52	0.14		0.353		0.03		0.17	
JUN 16.82	JUN 15.82	3.45		4.25	0.37		0.892		0.01		0.38	
JUN 17.82	JUN 16.82	0.00		0.15	0.08		0.036	<T	0.01		0.09	
JUN 18.82	JUN 17.82	0.00		0.28	0.19		0.711	<W	0.01		0.19	
JUN 19.82	JUN 18.82	0.00		0.24	0.14		0.051	<T	0.01		0.15	
JUN 20.82	JUN 19.82	2.14		2.98	0.04		0.164	<T	0.01		0.05	
JUN 21.82	JUN 20.82	0.07		0.86	0.13		0.044	<T	0.01		0.13	
JUN 22.82	JUN 21.82	0.00		0.15	0.06		0.050	<T	0.01		0.07	
JUN 23.82	JUN 22.82	0.00		0.91	0.03		0.231	<T	0.01		0.04	
JUN 24.82	JUN 23.82	1.18		0.57	0.04		0.159	<T	0.01		0.05	
JUN 25.82	JUN 24.82	1.49		2.09	0.57		0.154		0.08		0.65	
JUN 26.82	JUN 25.82	2.30		3.64	0.17		0.958	<W	0.01		0.17	
JUN 27.82	JUN 26.82	0.04		0.19	0.11		0.015		0.02		0.13	
JUN 28.82	JUN 27.82	0.41		2.52	0.26		0.700		0.04		0.30	
JUN 29.82	JUN 28.82	0.28		8.24	0.43		0.021	<T	0.01		0.44	
JUN 30.82	JUN 29.82	0.04		2.10	0.11		1.738	<T	0.01		0.12	
JUL 1.82	JUN 30.82	0.16		0.26	0.04		0.033	<T	0.01		0.04	
JUL 2.82	JUL 1.82	0.15		0.29	0.04		0.038		0.02		0.06	
JUL 4.82	JUL 2.82	0.69		1.23	0.14		0.202	<T	0.00		0.14	
JUL 5.82	JUL 4.82	0.16		0.39	0.06		0.067		0.02		0.08	
JUL 6.82	JUL 5.82	2.27		6.68	0.48		1.516		0.18		0.65	
JUL 7.82	JUL 6.82	19.25		20.82	1.59		4.162		0.05		1.64	
JUL 8.82	JUL 7.82	1.56		0.40	0.49		0.154	<T	0.01		0.49	
JUL 9.82	JUL 8.82	0.28		0.55	0.08		0.058	<W	0.01		0.08	
JUL 10.82	JUL 9.82	0.39		0.04	0.14		0.070	<T	0.01		0.14	
JUL 11.82	JUL 10.82	1.58		1.38	0.25		0.141		0.06		0.31	
JUL 12.82	JUL 11.82	1.91		0.61	0.36		0.099	<T	0.01		0.37	
JUL 13.82	JUL 12.82	0.04		0.10	0.03		0.021	<T	0.01		0.03	
JUL 14.82	JUL 13.82	0.00	<W	0.01	0.06		0.020	<T	0.01		0.07	
JUL 15.82	JUL 14.82	0.46		1.27	0.27		0.423		0.00		0.27	
JUL 16.82	JUL 15.82	1.12		7.77	0.56		0.438		0.00		0.56	
JUL 17.82	JUL 16.82	16.90		29.33	1.01		4.665		0.00		1.02	
JUL 18.82	JUL 17.82	5.28		1.09	0.90		0.992		0.00		0.90	
JUL 19.82	JUL 18.82	0.00		0.11	0.28		0.020		0.00		0.28	
JUL 20.82	JUL 19.82	0.09		0.48	0.12		0.094		0.02		0.14	
JUL 21.82	JUL 20.82	0.07		0.42	0.05		0.080		0.00		0.05	
JUL 22.82	JUL 21.82	0.33		0.36	0.10		0.026	<W	0.01		0.10	
JUL 23.82	JUL 22.82	0.31		0.66	0.13		0.035	<T	0.01		0.13	

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/AIR #02

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
JUL 24.82	JUL 23.82	800	800	1	27060.0	25565	2	1		
JUL 25.82	JUL 24.82	800	800	1	28500.0	25566	2	1		
JUL 26.82	JUL 25.82	800	800	1	27000.0	25567	2	1		
JUL 27.82	JUL 26.82	800	800	1	27090.0	25568	2	1		
JUL 28.82	JUL 27.82	700	700	1	26930.0	25570	2	1		
JUL 29.82	JUL 28.82	800	800	1	25330.0	25571	2	1		
JUL 30.82	JUL 29.82	800	800	1	26600.0	25572	2	1	J	
AUG 1.82	JUL 30.82	800	800	1	53190.0	25573	2	1	A	Z
AUG 2.82	AUG 1.82	800	800	1	27150.0	25574	2	1	F	
AUG 3.82	AUG 2.82	800	800	1	25500.0	25575	2	1		
AUG 4.82	AUG 3.82	800	800	1	26700.0	25577	2	1		
AUG 5.82	AUG 4.82	800	800	1	23690.0	25578	2	1		
AUG 6.82	AUG 5.82	800	800	1	25130.0	25579	2	1	J	
AUG 7.82	AUG 6.82	800	800	1	24680.0	25580	2	1		
AUG 8.82	AUG 7.82	800	800	1	24750.0	25581	2	1		
AUG 9.82	AUG 8.82	800	800	1	22780.0	25582	2	1		
AUG 10.82	AUG 9.82	800	800	1	26830.0	25583	2	1		
AUG 11.82	AUG 10.82	800	800	1	26780.0	25592	2	1		
AUG 12.82	AUG 11.82	800	800	1	26370.0	25593	2	1		
AUG 13.82	AUG 12.82	800	800	1	25510.0	25594	2	1		
AUG 14.82	AUG 13.82	800	800	1	25870.0	25595	2	1		
AUG 15.82	AUG 14.82	800	800	1	25340.0	25596	2	1		
AUG 16.82	AUG 15.82	800	800	1	24970.0	25597	2	1		
AUG 17.82	AUG 16.82	800	800	1	26580.0	25598	2	1		
AUG 18.82	AUG 17.82	800	800	1	26300.0	25608	2	1		
AUG 19.82	AUG 18.82	800	800	1	24270.0	25609	2	1		
AUG 20.82	AUG 19.82	800	800	1	21650.0	25610	2	1		
AUG 21.82	AUG 20.82	800	800	1	25940.0	25611	2	1		
AUG 22.82	AUG 21.82	800	800	1	26230.0	25612	2	1		
AUG 23.82	AUG 22.82	800	800	1	24040.0	25613	2	1		
AUG 24.82	AUG 23.82	800	1000	1	27260.0	25614	2	1	A	
AUG 25.82	AUG 24.82	1000	800	1	23220.0	25624	2	1	A	
AUG 26.82	AUG 25.82	800	800	1	24660.0	25625	2	1		
AUG 27.82	AUG 26.82	800	800	1	23160.0	25626	2	1		
AUG 28.82	AUG 27.82	800	800	1	26330.0	25627	2	1		
AUG 29.82	AUG 28.82	800	800	1	25240.0	25628	2	1		
AUG 31.82	AUG 29.82	800	800	1	51620.0	25629	2	1	A	Z
SEP 1.82	AUG 31.82	800	800	1	26060.0	25638	2	1		
SEP 2.82	SEP 1.82	800	800	1	24950.0	25639	2	1		
SEP 3.82	SEP 2.82	800	800	1	23150.0	25640	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/AIR #02

REMOVAL DATE	EXPOSURE DATE		SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3		TOTL NO3 AS N UG/M**3
JUL 24.82	JUL 23.82		0.00		0.53		0.06		0.071	<T	0.01		0.06
JUL 25.82	JUL 24.82		2.29		1.34		0.12		0.289		0.06		0.18
JUL 26.82	JUL 25.82		2.05		7.02		0.45		1.610		0.01		0.47
JUL 27.82	JUL 26.82		0.07		0.67		0.08		0.021	<T	0.01		0.09
JUL 28.82	JUL 27.82		0.27		0.86		0.09		0.200	<W	0.00		0.09
JUL 29.82	JUL 28.82		0.28		0.54		0.05		0.062	<W	0.01		0.05
JUL 30.82	JUL 29.82		0.02		0.42		0.06		0.033	<W	0.01		0.06
AUG 1.82	JUL 30.82		0.95		2.37		0.48		0.283	<W	0.00		0.48
AUG 2.82	AUG 1.82		0.39		2.53		0.21		0.467		0.05		0.25
AUG 3.82	AUG 2.82		0.15		0.29		0.03		0.042	<W	0.01		0.03
AUG 4.82	AUG 3.82		0.00		0.09		0.12		0.012	<W	0.01		0.12
AUG 5.82	AUG 4.82		2.39		2.64		0.40		0.539	<W	0.01		0.40
AUG 6.82	AUG 5.82		1.06		1.35		0.13		0.333	<W	0.01		0.13
AUG 7.82	AUG 6.82		0.94		0.91		0.10		0.224	<T	0.01		0.10
AUG 8.82	AUG 7.82		1.75		3.28		0.17		0.896	<W	0.01		0.17
AUG 9.82	AUG 8.82		1.76	>	10.97		0.59		1.615		0.01		0.60
AUG 10.82	AUG 9.82		0.62		0.51		0.02		0.163		0.02		0.04
AUG 11.82	AUG 10.82		0.25	<W	0.05		0.00		0.026	<W	0.01		0.00
AUG 12.82	AUG 11.82	<T	0.13	<W	0.05		0.00		0.026	<W	0.01		0.00
AUG 13.82	AUG 12.82	<W	0.13		0.20		0.00		0.142	<W	0.01		0.00
AUG 14.82	AUG 13.82		1.03		0.10		0.00		0.115	<W	0.01		0.00
AUG 15.82	AUG 14.82		0.79		1.73		0.03		0.187	<W	0.01		0.03
AUG 16.82	AUG 15.82	<W	0.13		6.09		0.03		1.040	<W	0.01		0.03
AUG 17.82	AUG 16.82		0.88	>	9.41		0.00	>	1.880	<W	0.01		0.00
AUG 18.82	AUG 17.82		0.07		0.50		0.02		0.122		0.03		0.06
AUG 19.82	AUG 18.82		0.35		0.18		0.07		0.116		0.00		0.07
AUG 20.82	AUG 19.82		0.55		5.39		0.24		1.509		0.01		0.25
AUG 21.82	AUG 20.82		1.23		0.32		0.05		0.053		0.01		0.07
AUG 22.82	AUG 21.82		0.33		0.00		0.06		0.008		0.00		0.07
AUG 23.82	AUG 22.82		1.47		1.64		0.31		0.047		0.00		0.31
AUG 24.82	AUG 23.82		0.07		0.48		0.12		0.124		0.00		0.12
AUG 25.82	AUG 24.82		0.78		0.11		0.09		0.075		0.00		0.09
AUG 26.82	AUG 25.82		5.21		0.81	<T	0.01		0.210	<W	0.01		0.01
AUG 27.82	AUG 26.82		5.37		4.05		0.35		1.163	<W	0.01		0.35
AUG 28.82	AUG 27.82		0.81		0.71		0.12		0.108	<W	0.01		0.12
AUG 29.82	AUG 28.82		0.06		0.15	<T	0.01		0.031	<W	0.01		0.00
AUG 31.82	AUG 29.82		2.80		0.80		0.26		0.020	<W	0.00		0.26
SEP 1.82	AUG 31.82		0.68		0.75		0.08		0.233	<W	0.01		0.08
SEP 2.82	SEP 1.82		0.97		1.58		0.12		0.331	<T	0.01		0.12
SEP 3.82	SEP 2.82		0.19		1.01		0.07		0.307	<T	0.01		0.07

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/AIR #02 PAGE : 13

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
SEP 4.82	SEP 3.82	800	800	1	23290.0	25641	2	1		
SEP 5.82	SEP 4.82	****	800	1	25570.0	25642	2	1		
SEP 6.82	SEP 5.82	800	800	1	24590.0	25643	2	1		
SEP 7.82	SEP 6.82	****	900	1	25120.0	25644	2	1		
SEP 8.82	SEP 7.82	900	800	1	23590.0	25654	2	1	AJ	
SEP 9.82	SEP 8.82	800	800	1	24820.0	25655	2	1	J	
SEP 10.82	SEP 9.82	800	800	1	24250.0	25656	2	1	J	
SEP 12.82	SEP 10.82	800	800	1	49900.0	25657	2	1	AJ	Z
SEP 13.82	SEP 12.82	800	800	1	24130.0	25658	2	1	J	
SEP 14.82	SEP 13.82	800	800	1	27110.0	25659	2	1		
SEP 15.82	SEP 14.82	800	800	1	22180.0	25668	2	1		
SEP 16.82	SEP 15.82	800	800	1	24610.0	25669	2	1		
SEP 17.82	SEP 16.82	800	800	1	24670.0	25670	2	1	J	
SEP 18.82	SEP 17.82	800	800	1	25740.0	25671	2	1		
SEP 19.82	SEP 18.82	800	800	1	25260.0	25672	2	1		
SEP 20.82	SEP 19.82	800	800	1	26450.0	25673	2	1		
SEP 21.82	SEP 20.82	800	800	1	23760.0	25674	2	1	J	
SEP 22.82	SEP 21.82	800	800	1	25590.0	25684	2	1		
SEP 23.82	SEP 22.82	800	800	1	21410.0	25685	2	1	J	
SEP 24.82	SEP 23.82	800	800	1	23730.0	25686	2	1	J	
SEP 25.82	SEP 24.82	800	800	1	21590.0	25687	2	1		
SEP 27.82	SEP 25.82	800	800	1	47830.0	25688	2	1	AJ	Z
SEP 28.82	SEP 27.82	800	800	1	22000.0	25689	2	1		
SEP 29.82	SEP 28.82	800	800	1	23990.0	25698	2	1		
SEP 30.82	SEP 29.82	800	800	1	24040.0	25699	2	1	J	
OCT 1.82	SEP 30.82	800	900	1	24360.0	25700	2	1	A	
OCT 3.82	OCT 1.82	900	800	1	48890.0	25701	2	1	A	Z
OCT 4.82	OCT 3.82	800	800	1	23910.0	25702	2	1	AJ	
OCT 5.82	OCT 4.82	900	800	1	24050.0	25703	2	1	AJ	
OCT 6.82	OCT 5.82	800	1000	1	24700.0	25712	2	1	AJ	
OCT 7.82	OCT 6.82	1000	800	1	22400.0	25713	2	1	A	
OCT 8.82	OCT 7.82	800	800	1	21550.0	25714	2	1	J	
OCT 9.82	OCT 8.82	800	800	1	24220.0	25715	2	1	J	
OCT 11.82	OCT 9.82	800	800	1	54680.0	25716	2	1	A	Z
OCT 12.82	OCT 11.82	800	800	1	22260.0	25717	2	1	J	
OCT 13.82	OCT 12.82	800	800	1	25270.0	25726	2	1	J	
OCT 14.82	OCT 13.82	800	800	1	25480.0	25727	2	1		
OCT 15.82	OCT 14.82	800	800	1	26220.0	25728	2	1		
OCT 16.82	OCT 15.82	800	800	1	28450.0	25729	2	1		
OCT 18.82	OCT 16.82	800	800	1	57560.0	25730	2	1	A	Z

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/AIR #02 PAGE : 14

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
SEP 4,82	SEP 3,82	0.04		0.14	0.01	0.037	<T	0.01	0.01
SEP 5,82	SEP 4,82	0.43		0.27	0.03	0.102		0.02	0.04
SEP 6,82	SEP 5,82	3.02		4.37	0.50	1.198		0.05	0.55
SEP 7,82	SEP 6,82	0.04		0.18	0.01	0.042	<W	0.01	0.01
SEP 8,82	SEP 7,82	0.00	<T	0.03	0.07	0.000	<W	0.01	0.07
SEP 9,82	SEP 8,82	0.00		0.85	0.19	0.050		0.12	0.31
SEP 10,82	SEP 9,82	2.34		11.63	0.75	0.835		0.02	0.77
SEP 12,82	SEP 10,82	3.54		24.55	1.03	4.303	<W	0.01	1.03
SEP 13,82	SEP 12,82	3.18		34.19	1.03	1.680	<W	0.01	1.03
SEP 14,82	SEP 13,82	10.47		28.70	1.82	4.491	<W	0.01	1.82
SEP 15,82	SEP 14,82	0.00		1.52	0.36	0.007	<W	0.01	0.36
SEP 16,82	SEP 15,82	3.29	<W	0.05	0.17	0.035	<W	0.01	0.17
SEP 17,82	SEP 16,82	0.58		1.37	0.03	0.290	<W	0.01	0.03
SEP 18,82	SEP 17,82	3.15	<T	0.05	0.16	0.078	<W	0.01	0.16
SEP 19,82	SEP 18,82	0.17		0.30	0.04	0.054	<T	0.01	0.04
SEP 20,82	SEP 19,82	0.54		0.66	0.16	0.208		0.02	0.18
SEP 21,82	SEP 20,82	1.73		1.10	0.23	0.049	<T	0.01	0.23
SEP 22,82	SEP 21,82	0.00		1.32	0.09	0.105	<W	0.01	0.09
SEP 23,82	SEP 22,82	0.02		6.59	0.22	1.368	<W	0.01	0.22
SEP 24,82	SEP 23,82	0.58		1.58	0.31	0.391	<W	0.01	0.31
SEP 25,82	SEP 24,82	5.10		8.57	0.82	1.667	<T	0.01	0.83
SEP 27,82	SEP 25,82	2.03		12.29	0.46	2.483	<W	0.01	0.46
SEP 28,82	SEP 27,82	0.00		3.86	0.11	1.127	<W	0.01	0.11
SEP 29,82	SEP 28,82	0.00		3.80	0.13	0.425	<T	0.01	0.14
SEP 30,82	SEP 29,82	0.91		4.74	0.25	0.257	<W	0.01	0.25
OCT 1,82	SEP 30,82	10.90		15.60	1.24	1.877		0.05	1.29
OCT 3,82	OCT 1,82	0.79		1.15	0.09	0.163	<T	0.01	0.09
OCT 4,82	OCT 3,82	******		******	******	******		******	******
OCT 5,82	OCT 4,82	0.63		0.88	0.08	0.089		0.02	0.10
OCT 6,82	OCT 5,82	1.05		2.91	0.29	0.366		0.05	0.34
OCT 7,82	OCT 6,82	3.32		10.02	0.76	0.703		0.15	0.91
OCT 8,82	OCT 7,82	4.38		8.74	0.55	1.956	<W	0.01	0.55
OCT 9,82	OCT 8,82	0.45		1.58	0.15	0.384	<T	0.01	0.15
OCT 11,82	OCT 9,82	0.51		2.15	0.14	0.416		0.01	0.15
OCT 12,82	OCT 11,82	1.09		5.64	0.44	0.032	<W	0.01	0.44
OCT 13,82	OCT 12,82	0.19		2.15	0.28	0.189		0.02	0.31
OCT 14,82	OCT 13,82	1.89		2.35	0.35	0.712		0.05	0.40
OCT 15,82	OCT 14,82	0.31	<W	0.05	0.03	0.223	<W	0.01	0.03
OCT 16,82	OCT 15,82	1.46		0.09	0.02	0.026		0.01	0.03
OCT 18,82	OCT 16,82	0.26		0.22	0.02	0.060		0.01	0.03

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/AIR #02 PAGE : 15

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME (L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
OCT 19.82	OCT 18.82	800	800	1	28060.0	25731	2	1		
OCT 20.82	OCT 19.82	800	930	1	29580.0	25734	2	1	A	
OCT 21.82	OCT 20.82	930	800	1	27180.0	25735	2	1	A	
OCT 22.82	OCT 21.82	800	800	1	29740.0	25736	2	1		
OCT 23.82	OCT 22.82	800	800	1	29680.0	25737	2	1		
OCT 24.82	OCT 23.82	800	800	1	27230.0	25738	2	1		
OCT 25.82	OCT 24.82	800	800	1	27080.0	25739	2	1	J	
OCT 26.82	OCT 25.82	800	800	1	26700.0	25740	2	1	J	
OCT 27.82	OCT 26.82	800	800	1	26450.0	25742	2	1	J	
OCT 28.82	OCT 27.82	800	800	1	26760.0	25743	2	1	J	
OCT 29.82	OCT 28.82	800	800	1	28710.0	25744	2	1	J	
OCT 30.82	OCT 29.82	800	800	1	28390.0	25745	2	1		
NOV 1.82	OCT 30.82	800	800	1	55270.0	25746	2	1	A	Z
NOV 2.82	NOV 1.82	800	800	1	27570.0	25747	2	1		
NOV 3.82	NOV 2.82	800	800	1	25660.0	25749	2	1		
NOV 4.82	NOV 3.82	800	800	1	24900.0	25750	2	1		
NOV 5.82	NOV 4.82	800	800	1	26830.0	25751	2	1		
NOV 7.82	NOV 5.82	800	800	1	50770.0	25752	2	1	AB	Z
NOV 8.82	NOV 7.82	800	800	1	28430.0	25753	2	1		
NOV 9.82	NOV 8.82	800	800	1	28420.0	25754	2	1		
NOV 10.82	NOV 9.82	800	800	1	26770.0	25756	2	1	J	
NOV 11.82	NOV 10.82	800	800	1	24720.0	25757	2	1	J	
NOV 12.82	NOV 11.82	800	800	1	22730.0	25758	2	1		
NOV 13.82	NOV 12.82	800	800	1	25440.0	25759	2	1		
NOV 14.82	NOV 13.82	800	800	1	27600.0	25760	2	1		
NOV 15.82	NOV 14.82	800	800	1	25890.0	25761	2	1		
NOV 16.82	NOV 15.82	800	800	1	27900.0	25762	2	1		
NOV 17.82	NOV 16.82	800	800	1	25720.0	25764	2	1		
NOV 18.82	NOV 17.82	800	800	1	22860.0	25765	2	1		
NOV 20.82	NOV 18.82	800	800	1	49460.0	25766	2	1	A	Z
NOV 21.82	NOV 20.82	800	800	1	23150.0	25767	2	1		
NOV 22.82	NOV 21.82	800	800	1	24530.0	25768	2	1		
NOV 23.82	NOV 22.82	800	800	1	27460.0	25769	2	1		
NOV 24.82	NOV 23.82	800	800	1	24660.0	25770	2	1		
NOV 25.82	NOV 24.82	800	800	1	28020.0	25772	2	1	I	
NOV 26.82	NOV 25.82	800	800	1	26110.0	25773	2	1		
NOV 27.82	NOV 26.82	800	800	1	27660.0	25774	2	1		
NOV 28.82	NOV 27.82	800	800	1	29700.0	25775	2	1		
NOV 29.82	NOV 28.82	800	800	1	27200.0	25776	2	1		
NOV 30.82	NOV 29.82	800	830	1	24850.0	25777	2	1	A	

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/AIR #02 PAGE : 16

REMOVAL DATE	EXPOSURE DATE		SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3		TOTL NO3 AS N UG/M**3
OCT 19,82	OCT 18,82		23.36		4.42		0.75		0.454		0.38		1.14
OCT 20,82	OCT 19,82		29.02		8.82		1.20		1.307		0.12		1.32
OCT 21,82	OCT 20,82		6.52		2.30		0.28		0.557		0.06		0.34
OCT 22,82	OCT 21,82		0.93		0.38		0.02		0.099	<T	0.01		0.03
OCT 23,82	OCT 22,82		0.37		1.05		0.02		0.217	<W	0.01		0.02
OCT 24,82	OCT 23,82		0.77		0.37		0.09		0.066	<W	0.01		0.09
OCT 25,82	OCT 24,82		0.53		2.22		0.25		0.755		0.04		0.28
OCT 26,82	OCT 25,82		2.54		4.08		0.52		0.541		0.09		0.62
OCT 27,82	OCT 26,82		1.06		4.20		0.24		0.781	<T	0.01		0.24
OCT 28,82	OCT 27,82		1.30		5.94		0.31		1.328		0.08		0.39
OCT 29,82	OCT 28,82	>	22.93		16.02		1.76		1.332		0.64		2.40
OCT 30,82	OCT 29,82		24.60		8.52		0.89		0.731		0.71		1.60
NOV 1,82	OCT 30,82		5.15		3.69		0.37		0.520		0.46		0.82
NOV 2,82	NOV 1,82		0.66		1.99		0.16		0.426		0.05		0.21
NOV 3,82	NOV 2,82		1.64		2.97		0.52		0.720		0.04		0.56
NOV 4,82	NOV 3,82		0.21		1.10		0.17		0.184	<W	0.01		0.17
NOV 5,82	NOV 4,82		0.44		0.84		0.10		0.284	<W	0.01		0.10
NOV 7,82	NOV 5,82		1.68		2.28		0.26		0.571		0.03		0.30
NOV 8,82	NOV 7,82		9.20		4.19		1.03		1.308		0.35		1.38
NOV 9,82	NOV 8,82		1.48		1.98		0.37		0.615		0.09		0.46
NOV 10,82	NOV 9,82		0.00	<W	0.05		0.05		0.158	<W	0.01		0.05
NOV 11,82	NOV 10,82		2.87		1.21		0.17		0.330		0.14		0.31
NOV 12,82	NOV 11,82		6.22		7.48		1.18	U	2.638		0.36		1.55
NOV 13,82	NOV 12,82		2.00		1.52		0.16		0.248	<T	0.01		0.17
NOV 14,82	NOV 13,82		0.00		0.18		0.01		0.040		0.04		0.05
NOV 15,82	NOV 14,82		0.04		0.87		0.18		0.128		0.03		0.21
NOV 16,82	NOV 15,82		10.19		1.66		0.38		0.316		0.06		0.44
NOV 17,82	NOV 16,82		5.10		3.84		0.77		1.195		0.44		1.20
NOV 18,82	NOV 17,82		5.13		4.42		0.95		1.355		0.13		1.08
NOV 20,82	NOV 18,82		13.37		9.40		1.01		1.718		0.24		1.25
NOV 21,82	NOV 20,82		5.07		5.79		0.36		0.569	<W	0.01		0.36
NOV 22,82	NOV 21,82		1.26		1.43		0.10		0.468	<W	0.01		0.10
NOV 23,82	NOV 22,82		0.52		1.23		0.11		0.065	<T	0.01		0.12
NOV 24,82	NOV 23,82		0.99		0.66		0.06		0.184	<W	0.01		0.06
NOV 25,82	NOV 24,82		0.77		1.21		0.14		0.234		0.04		0.17
NOV 26,82	NOV 25,82		3.12		3.30		0.37		1.102		0.61		0.98
NOV 27,82	NOV 26,82		3.92		1.63		0.26		0.276		0.02		0.28
NOV 28,82	NOV 27,82		0.95		0.84		0.12		0.267		0.02		0.14
NOV 29,82	NOV 28,82		5.46		1.56		0.35		0.514		0.01		0.36
NOV 30,82	NOV 29,82		2.47		1.14		0.10		0.327	<T	0.01		0.11

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/AIR

#02

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
DEC 1,82	NOV 30,82	830	800	1	24790.0	25779	2	1	AJ	
DEC 2,82	DEC 1,82	800	930	1	23170.0	25780	2	1	JA	
DEC 3,82	DEC 2,82	930	800	1	21810.0	25781	2	1	AJ	
DEC 5,82	DEC 3,82	800	800	1	51880.0	25782	2	1	A	Z
DEC 6,82	DEC 5,82	800	800	1	25550.0	25783	2	1		
DEC 7,82	DEC 6,82	800	830	1	28620.0	25784	2	1	A	
DEC 8,82	DEC 7,82	830	800	1	29030.0	25786	2	1	A	
DEC 9,82	DEC 8,82	800	800	1	26710.0	25787	2	1		
DEC 10,82	DEC 9,82	800	800	1	28460.0	25788	2	1		
DEC 11,82	DEC 10,82	800	800	1	28680.0	25789	2	1	A	Z
DEC 13,82	DEC 11,82	800	800	1	60610.0	25790	2	1		
DEC 14,82	DEC 13,82	800	800	1	29510.0	25791	2	1		
DEC 15,82	DEC 14,82	800	800	1	28960.0	25793	2	1		
DEC 16,82	DEC 15,82	800	800	1	22270.0	25794	2	1		
DEC 17,82	DEC 16,82	800	800	1	28240.0	25795	2	1		
DEC 18,82	DEC 17,82	800	800	1	30320.0	25796	2	1		Z
DEC 20,82	DEC 18,82	800	800	1	59220.0	25797	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/AIR #02

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
DEC 1.82	NOV 30.82	5.87	2.72	0.61	0.837	<W	0.01	0.61
DEC 2.82	DEC 1.82	4.56	5.31	1.18	1.661	<W	0.01	1.18
DEC 3.82	DEC 2.82	14.61	5.04	0.87	1.673	<W	0.01	0.87
DEC 5.82	DEC 3.82	3.39	1.52	0.22	0.439	<W	0.00	0.22
DEC 6.82	DEC 5.82	3.08	1.22	0.24	0.422	<W	0.01	0.24
DEC 7.82	DEC 6.82	1.23	0.74	0.18	0.239	<T	0.01	0.19
DEC 8.82	DEC 7.82	0.27	0.82	0.05	0.193		0.03	0.07
DEC 9.82	DEC 8.82	1.04	0.84	0.36	0.219		0.02	0.08
DEC 10.82	DEC 9.82	1.32	0.74	0.08	0.200		0.03	0.11
DEC 11.82	DEC 10.82	8.17	2.57	0.55	0.071		0.02	0.57
DEC 13.82	DEC 11.82	1.50	1.01	0.05	0.205		0.02	0.07
DEC 14.82	DEC 13.82	14.38	2.75	0.38	0.709		0.42	0.80
DEC 15.82	DEC 14.82	18.27	5.52	0.54	1.710		0.86	1.40
DEC 16.82	DEC 15.82	5.06	3.20	0.77	0.956	<T	0.01	0.78
DEC 17.82	DEC 16.82	8.10	1.10	0.03	0.223	<W	0.01	0.03
DEC 18.82	DEC 17.82	1.18	0.62	0.05	0.184		0.03	0.09
DEC 20.82	DEC 18.82	5.40	2.01	0.34	0.456		0.08	0.42

PART V

SOUTHEASTERN REGION DAILY AMBIENT AIR CONCENTRATION RESULTS

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/AIR #03

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
JAN 2.82	JAN 1.82	700	700	1	26580.0	20299	2	1		
JAN 3.82	JAN 2.82	700	700	1	29100.0	20300	2	1		
JAN 4.82	JAN 3.82	700	700	1	27540.0	20301	2	1		
JAN 5.82	JAN 4.82	700	700	1	25900.0	20302	2	1		
JAN 6.82	JAN 5.82	700	700	1	28080.0	20303	2	1		
JAN 7.82	JAN 6.82	700	700	1	31320.0	20305	2	1		
JAN 8.82	JAN 7.82	700	700	1	27930.0	20306	2	1		
JAN 9.82	JAN 8.82	700	700	1	27250.0	20307	2	1		
JAN 10.82	JAN 9.82	700	700	1	28210.0	20308	2	1		
JAN 11.82	JAN 10.82	700	700	1	29350.0	20309	2	1		
JAN 12.82	JAN 11.82	700	700	1	29170.0	20310	2	1		
JAN 13.82	JAN 12.82	700	700	1	29250.0	20311	2	1		
JAN 14.82	JAN 13.82	700	700	1	28100.0	20313	2	1		
JAN 15.82	JAN 14.82	700	700	1	26440.0	20314	2	1		
JAN 16.82	JAN 15.82	700	700	1	27050.0	20315	2	1		
JAN 17.82	JAN 16.82	700	700	1	27430.0	20316	2	1		
JAN 18.82	JAN 17.82	700	700	1	29640.0	20317	2	1		
JAN 19.82	JAN 18.82	700	700	1	28460.0	20318	2	1		
JAN 20.82	JAN 19.82	700	700	1	28480.0	20319	2	1		
JAN 21.82	JAN 20.82	700	700	1	28450.0	20320	2	1		
JAN 22.82	JAN 21.82	700	700	1	28670.0	20322	2	1		
JAN 23.82	JAN 22.82	700	700	1	28820.0	20323	2	1		
JAN 24.82	JAN 23.82	700	700	1	26860.0	20324	2	1		
JAN 25.82	JAN 24.82	700	700	1	28240.0	20325	2	1		
JAN 26.82	JAN 25.82	700	700	1	29680.0	20326	2	1		
JAN 27.82	JAN 26.82	700	700	1	29710.0	20327	2	1		
JAN 28.82	JAN 27.82	700	700	1	27720.0	20328	2	1		
JAN 29.82	JAN 28.82	700	700	1	26620.0	20330	2	1		
JAN 30.82	JAN 29.82	700	700	1	26360.0	20331	2	1		
JAN 31.82	JAN 30.82	700	700	1	24890.0	20332	2	1		
FEB 1.82	JAN 31.82	700	700	1	28190.0	20333	2	1		
FEB 2.82	FEB 1.82	700	700	1	28670.0	20334	2	1		
FEB 3.82	FEB 2.82	700	700	1	27890.0	20335	2	1		
FEB 4.82	FEB 3.82	700	700	1	26300.0	20336	2	1		
FEB 5.82	FEB 4.82	700	700	1	30000.0	20338	2	1	GAD	
FEB 6.82	FEB 5.82	700	700	1	27380.0	20339	2	1		
FEB 7.82	FEB 6.82	700	700	1	28070.0	20340	2	1	AGD	
FEB 8.82	FEB 7.82	700	700	1	27770.0	20341	2	1		
FEB 9.82	FEB 8.82	700	700	1	27770.0	20342	2	1	AGD	
FEB 10.82	FEB 9.82	700	700	1	29840.0	20343	2	1	AGD	

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/AIR #03

REMOVAL DATE	EXPOSURE DATE		SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3		TOTL NO3 AS N UG/M**3
JAN 2,82	JAN 1,82		7.37		2.08		0.26		0.609		0.02		0.29
JAN 3,82	JAN 2,82		7.42		1.26		0.09		0.307		0.15		0.25
JAN 4,82	JAN 3,82		8.93		3.88		0.08	>	1.815		1.03		1.11
JAN 5,82	JAN 4,82		6.79		2.43		0.26		0.559		0.06		0.32
JAN 6,82	JAN 5,82		4.98		1.53		0.05		1.103		0.25		0.30
JAN 7,82	JAN 6,82		16.14		3.24		0.45		0.414		0.18		0.63
JAN 8,82	JAN 7,82		1.38		0.90		0.05		0.105		0.03		0.08
JAN 9,82	JAN 8,82		11.21		0.97		0.10		0.410		0.07		0.17
JAN 10,82	JAN 9,82		10.48		2.22		0.25		0.595		0.03		0.27
JAN 11,82	JAN 10,82		12.22		0.90		0.04		1.652		0.05		0.09
JAN 12,82	JAN 11,82		11.85		1.08		0.00		1.079		0.11		0.11
JAN 13,82	JAN 12,82		13.42		2.44		0.18		0.485		0.26		0.43
JAN 14,82	JAN 13,82		28.63		6.78		0.57		1.387		0.51		1.09
JAN 15,82	JAN 14,82		10.11		0.01		0.37		0.389		0.02		0.39
JAN 16,82	JAN 15,82		16.05		4.54		0.53		0.761		0.11		0.64
JAN 17,82	JAN 16,82		21.81		3.93		0.48		0.685		0.00		0.49
JAN 18,82	JAN 17,82		4.77		1.36		0.08		0.169		0.21		0.30
JAN 19,82	JAN 18,82		19.62		4.49		0.72		0.688		0.14		0.86
JAN 20,82	JAN 19,82		34.21		8.74		0.74	>	1.748		0.74		1.48
JAN 21,82	JAN 20,82		17.87		4.18		0.74		0.230		0.18		0.92
JAN 22,82	JAN 21,82		2.74		1.18		0.04		0.183		0.11		0.15
JAN 23,82	JAN 22,82		10.85		2.43		0.18		0.375		0.26		0.44
JAN 24,82	JAN 23,82		14.99		4.54		0.55		0.091		0.05		0.60
JAN 25,82	JAN 24,82		12.60		1.99		0.30		0.361		0.08		0.38
JAN 26,82	JAN 25,82		8.51		1.98		0.13		0.404		0.17		0.30
JAN 27,82	JAN 26,82		9.28		2.02		0.17		0.454		0.13		0.31
JAN 28,82	JAN 27,82		14.64		3.25		0.45		0.685		0.19		0.64
JAN 29,82	JAN 28,82	>	24.11		4.80		0.70		0.747		0.03		0.73
JAN 30,82	JAN 29,82		6.85		2.24		0.41		0.470		0.14		0.55
JAN 31,82	JAN 30,82		23.36		3.58		0.78		0.872		0.00		0.78
FEB 1,82	JAN 31,82		16.26		2.67		0.31		0.404		0.02		0.33
FEB 2,82	FEB 1,82		10.62		2.50		0.37		0.547		0.17		0.54
FEB 3,82	FEB 2,82		22.64		5.12		0.78		1.366		0.45		1.23
FEB 4,82	FEB 3,82		19.98		5.96		0.81		1.384		0.00		0.81
FEB 5,82	FEB 4,82	U	4.61	U	2.46	U	3.44	U	0.358	U	0.00		******
FEB 6,82	FEB 5,82		43.51		8.91		0.85	>	1.821		0.14		0.99
FEB 7,82	FEB 6,82		10.74		4.45		0.58		0.672		0.02		0.60
FEB 8,82	FEB 7,82	>	23.71		5.62		1.58		1.285		0.08		1.66
FEB 9,82	FEB 8,82		11.11		3.60		1.25		0.716		0.31		1.56
FEB 10,82	FEB 9,82		7.52		3.22		1.15		0.381		0.07		1.22

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/AIR #03 PAGE : 3

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
FEB 11.82	FEB 10.82	700	700	1	35170.0	20344	2	1	AGD	
FEB 12.82	FEB 11.82	700	700	1	29820.0	20346	2	1	GD	
FEB 13.82	FEB 12.82	700	700	1	26000.0	20347	2	1		
FEB 14.82	FEB 13.82	700	700	1	26790.0	20348	2	1		
FEB 15.82	FEB 14.82	700	700	1	27430.0	20349	2	1		
FEB 16.82	FEB 15.82	700	700	1	27230.0	20350	2	1		
FEB 17.82	FEB 16.82	700	700	1	28120.0	20351	2	1		
FEB 18.82	FEB 17.82	700	700	1	28240.0	20352	2	1		
FEB 19.82	FEB 18.82	700	700	1	27470.0	20354	2	1		
FEB 20.82	FEB 19.82	700	700	1	23410.0	20355	2	1		
FEB 21.82	FEB 20.82	700	700	1	26940.0	20356	2	1		
FEB 22.82	FEB 21.82	700	700	1	28610.0	20357	2	1		
FEB 23.82	FEB 22.82	700	700	1	27870.0	20358	2	1		
FEB 24.82	FEB 23.82	700	700	1	28250.0	20359	2	1		
FEB 25.82	FEB 24.82	700	700	1	27900.0	20362	2	1		
FEB 26.82	FEB 25.82	700	700	1	28210.0	20363	2	1		
FEB 27.82	FEB 26.82	700	700	1	27610.0	20364	2	1		
FEB 28.82	FEB 27.82	700	700	1	28200.0	20365	2	1		
MAR 1.82	FEB 28.82	700	700	1	28320.0	20366	2	1		
MAR 2.82	MAR 1.82	700	700	1	27310.0	20367	2	1		
MAR 3.82	MAR 2.82	700	700	1	27920.0	20368	2	1		
MAR 4.82	MAR 3.82	700	700	1	27550.0	20369	2	1		
MAR 5.82	MAR 4.82	700	700	1	24490.0	20371	2	1		
MAR 6.82	MAR 5.82	700	700	1	27150.0	20372	2	1		
MAR 7.82	MAR 6.82	700	700	1	27020.0	20373	2	1		
MAR 8.82	MAR 7.82	700	700	1	27200.0	20374	2	1		
MAR 9.82	MAR 8.82	700	700	1	27880.0	20375	2	1		
MAR 10.82	MAR 9.82	700	700	1	27040.0	20376	2	1		
MAR 11.82	MAR 10.82	700	700	1	26940.0	20377	2	1		
MAR 12.82	MAR 11.82	700	700	1	24240.0	20379	2	1		
MAR 13.82	MAR 12.82	700	700	1	28150.0	20380	2	1		
MAR 14.82	MAR 13.82	700	700	1	29920.0	20381	2	1		
MAR 15.82	MAR 14.82	700	700	1	30260.0	20382	2	1		
MAR 16.82	MAR 15.82	700	700	1	30670.0	20383	2	1		
MAR 17.82	MAR 16.82	700	700	1	28220.0	20384	2	1		
MAR 18.82	MAR 17.82	700	700	1	30190.0	20385	2	1		
MAR 19.82	MAR 18.82	700	700	1	26400.0	20387	2	1		
MAR 20.82	MAR 19.82	700	700	1	22570.0	20388	2	1		
MAR 21.82	MAR 20.82	700	700	1	25210.0	20389	2	1		
MAR 22.82	MAR 21.82	700	700	1	23670.0	20390	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/AIR #03

REMOVAL DATE	EXPOSURE DATE		SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3		TOTL NO3 AS N UG/M**3
FEB 11.82	FEB 10.82	U	7.63	U	1.85	U	0.48	U	0.079	U	1.42		******
FEB 12.82	FEB 11.82		24.15		5.19		1.16		0.802		0.23		1.39
FEB 13.82	FEB 12.82		24.23		7.10		1.35		1.695		0.11		1.46
FEB 14.82	FEB 13.82		8.32		4.80		0.50		0.359		0.09		0.60
FEB 15.82	FEB 14.82		11.67		5.42		0.69		1.071	<T	0.01		0.70
FEB 16.82	FEB 15.82		1.72		10.23		1.51	>	1.831		0.07		1.58
FEB 17.82	FEB 16.82		3.81		2.34		0.24		0.529	<T	0.01		0.24
FEB 18.82	FEB 17.82		17.00		2.60		0.31		0.757		0.39		0.70
FEB 19.82	FEB 18.82		32.01		9.06		0.98	>	1.805		1.86		2.84
FEB 20.82	FEB 19.82		10.79		10.47		0.88		0.681		0.03		0.91
FEB 21.82	FEB 20.82		17.77	>	9.28		0.88		0.195		0.01		0.89
FEB 22.82	FEB 21.82		19.77		7.06		0.38		0.452	<W	0.01		0.38
FEB 23.82	FEB 22.82		4.51		0.27		0.65		0.073		0.04		0.69
FEB 24.82	FEB 23.82		18.75		3.72		0.66		0.095		0.07		0.73
FEB 25.82	FEB 24.82		13.37		0.63		0.10		0.046		0.03		0.13
FEB 26.82	FEB 25.82		7.40		0.40		0.07		0.143		0.04		0.11
FEB 27.82	FEB 26.82		12.77		3.80		1.03		0.074		0.55		1.58
FEB 28.82	FEB 27.82		7.29		3.06		0.56		0.252		0.11		0.67
MAR 1.82	FEB 28.82		6.10		2.43		0.22		0.217		0.09		0.31
MAR 2.82	MAR 1.82		16.21		5.64		0.98		1.096		0.24		1.22
MAR 3.82	MAR 2.82		10.23		0.58		0.15		0.009	<W	0.01		0.15
MAR 4.82	MAR 3.82		11.35		5.48		0.28		0.281		0.23		0.50
MAR 5.82	MAR 4.82		12.21		0.90		0.84		0.068		0.02		0.86
MAR 6.82	MAR 5.82		11.63		4.81		0.45		0.529		0.05		0.50
MAR 7.82	MAR 6.82		13.05		1.55		0.91		0.158		0.03		0.94
MAR 8.82	MAR 7.82		21.79		9.39		0.87		0.874	<T	0.01		0.87
MAR 9.82	MAR 8.82		11.47		0.56		0.24		0.055		0.03		0.27
MAR 10.82	MAR 9.82		21.29		8.19		0.96		0.494		0.04		1.00
MAR 11.82	MAR 10.82		29.80		8.56		2.18		1.840	<W	0.01		2.18
MAR 12.82	MAR 11.82		15.99		9.50		1.70		1.337	<W	0.01		1.70
MAR 13.82	MAR 12.82		7.01	U	18.65		******		0.977	<W	0.01		******
MAR 14.82	MAR 13.82		7.26		******		******		******		******		******
MAR 15.82	MAR 14.82		0.80		1.86		******		0.107	<T	0.01		******
MAR 16.82	MAR 15.82		3.07		0.24		******		0.075	<W	0.01		******
MAR 17.82	MAR 16.82		4.30		0.97		******		0.408		0.12		******
MAR 18.82	MAR 17.82		12.07		4.04		******		0.290		0.17		******
MAR 19.82	MAR 18.82		3.46		1.04		******		0.074		0.11		******
MAR 20.82	MAR 19.82		0.99	<W	0.06		0.00		1.223	<W	0.01		0.00
MAR 21.82	MAR 20.82		7.09	<W	0.05	<T	0.01		1.585	<W	0.01		0.00
MAR 22.82	MAR 21.82		8.56		4.69	<W	0.01		1.942		0.41		0.41

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/AIR #03 PAGE : 5

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME (L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
MAR 23.82	MAR 22.82	700	700	1	25690.0	20391	2	1		
MAR 24.82	MAR 23.82	700	700	1	25660.0	20392	2	1		
MAR 25.82	MAR 24.82	700	700	1	24790.0	20393	2	1		
MAR 26.82	MAR 25.82	700	700	1	24890.0	20395	2	1		
MAR 27.82	MAR 26.82	700	700	1	26400.0	20396	2	1		
MAR 28.82	MAR 27.82	700	700	1	27570.0	20397	2	1		
MAR 29.82	MAR 28.82	700	700	1	26480.0	20398	2	1		
MAR 30.82	MAR 29.82	700	700	1	26490.0	20399	2	1		
MAR 31.82	MAR 30.82	700	700	1	25960.0	20400	2	1		
APR 1.82	MAR 31.82	700	700	1	25090.0	20401	2	1		
APR 2.82	APR 1.82	700	700	1	26210.0	20403	2	1		
APR 3.82	APR 2.82	700	700	1	26120.0	20404	2	1		
APR 4.82	APR 3.82	700	700	1	24390.0	20405	2	1		
APR 5.82	APR 4.82	700	700	1	27000.0	20406	2	1		
APR 6.82	APR 5.82	700	700	1	27090.0	20407	2	1		
APR 7.82	APR 6.82	700	700	1	26800.0	20408	2	1		
APR 8.82	APR 7.82	700	700	1	27220.0	20409	2	1		
APR 9.82	APR 8.82	700	700	1	27360.0	20411	2	1		
APR 10.82	APR 9.82	700	700	1	28430.0	20412	2	1		
APR 11.82	APR 10.82	700	700	1	27820.0	20413	2	1		
APR 12.82	APR 11.82	700	700	1	25950.0	20414	2	1		
APR 13.82	APR 12.82	700	700	1	28510.0	20415	2	1		
APR 14.82	APR 13.82	700	700	1	28460.0	20416	2	1		
APR 15.82	APR 14.82	700	700	1	27140.0	20417	2	1		
APR 16.82	APR 15.82	700	700	1	28090.0	20419	2	1		
APR 17.82	APR 16.82	700	700	1	27360.0	20420	2	1		
APR 18.82	APR 17.82	700	700	1	8240.0	20421	2	1	G	F
APR 19.82	APR 18.82	700	700	1	29400.0	20422	2	1		
APR 20.82	APR 19.82	700	700	1	28320.0	20423	2	1		
APR 21.82	APR 20.82	700	700	1	25240.0	20424	2	1		
APR 22.82	APR 21.82	700	700	1	29010.0	20425	2	1		
APR 23.82	APR 22.82	1430	700	1	28270.0	20427	2	1		
APR 24.82	APR 23.82	700	700	1	27790.0	20428	2	1		
APR 25.82	APR 24.82	700	700	1	28410.0	20429	2	1		
APR 26.82	APR 25.82	700	700	1	28030.0	20430	2	1		
APR 27.82	APR 26.82	700	700	1	26950.0	20431	2	1		
APR 28.82	APR 27.82	800	800	1	26020.0	20442	2	1		
APR 29.82	APR 28.82	800	800	1	26650.0	20440	2	1		
APR 30.82	APR 29.82	800	800	1	27660.0	20441	2	1		
MAY 2.82	MAY 1.82	800	800	1	28030.0	20439	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/AIR #03 PAGE : 6

REMOVAL DATE	EXPOSURE DATE		SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3		TOTL NO3 AS N UG/M**3
MAR 23.82	MAR 22.82		8.90		3.41	<W	0.01		0.874		0.15		0.15
MAR 24.82	MAR 23.82		2.17		3.16	<T	0.01		1.226		0.54		0.54
MAR 25.82	MAR 24.82		18.66	<W	0.05		0.20	>	2.015	<W	0.01		0.20
MAR 26.82	MAR 25.82		10.06		7.19		0.41	>	2.005		1.69		2.10
MAR 27.82	MAR 26.82		2.67	<W	0.05		0.09		0.014	<T	0.01		0.10
MAR 28.82	MAR 27.82		1.47	<W	0.05		0.13		0.004	<W	0.01		0.13
MAR 29.82	MAR 28.82		7.33		0.52		0.48		0.200		0.09		0.57
MAR 30.82	MAR 29.82		16.88		1.09		0.83		0.610		0.33		1.16
MAR 31.82	MAR 30.82		18.26		5.20		0.98		1.674		0.56		1.54
APR 1.82	MAR 31.82		4.55	<W	0.05		0.63		0.046	<W	0.01		0.63
APR 2.82	APR 1.82		0.13		2.19		0.12		0.255		0.02		0.14
APR 3.82	APR 2.82		1.28		1.24		0.09		0.334	<W	0.01		0.09
APR 4.82	APR 3.82		3.15		2.56		0.08		0.512	<T	0.01		0.09
APR 5.82	APR 4.82		0.86		2.41		0.02		0.370	<W	0.01		0.02
APR 6.82	APR 5.82		1.48		2.72		0.02		0.413	<W	0.01		0.02
APR 7.82	APR 6.82		0.25		2.47	<T	0.01		0.402	<W	0.01		0.00
APR 8.82	APR 7.82		5.77		1.51	<W	0.01		0.328	<W	0.01		0.00
APR 9.82	APR 8.82		5.21		2.13		0.10		0.444		0.05		0.14
APR 10.82	APR 9.82		5.49		3.10		0.14		0.861		0.07		0.21
APR 11.82	APR 10.82		7.16		9.11		0.91		1.311		0.12		1.02
APR 12.82	APR 11.82		5.62		7.49		0.57	>	1.926	<T	0.01		0.68
APR 13.82	APR 12.82		5.82		9.63		0.37	>	1.753		0.02		0.39
APR 14.82	APR 13.82		5.01		4.23		0.39		1.201		0.02		0.41
APR 15.82	APR 14.82		1.07		2.23		0.17		0.644		0.05		0.22
APR 16.82	APR 15.82		5.44		3.80		0.43		1.042		0.18		0.61
APR 17.82	APR 16.82		8.39		9.81		1.14		1.571		0.27		1.41
APR 18.82	APR 17.82	U	8.43	U	0.54	U	0.13	U	0.047	U	0.05		******
APR 19.82	APR 18.82		0.00		1.26		0.06		0.273		0.03		0.09
APR 20.82	APR 19.82		10.70		3.25		0.74		0.847		0.65		1.39
APR 21.82	APR 20.82		4.60		4.10		0.48		1.398		0.63		1.11
APR 22.82	APR 21.82		0.56		1.70		0.10		0.406		0.02		0.12
APR 23.82	APR 22.82		4.53		2.41		0.09		0.626		0.07		0.16
APR 24.82	APR 23.82		4.61		3.06		0.44		0.952		0.70		1.14
APR 25.82	APR 24.82		7.21		6.86		0.69	>	1.758		1.67		2.36
APR 26.82	APR 25.82		9.57	>	8.92		******	>	1.782		1.28		******
APR 27.82	APR 26.82		6.24		6.60		0.64	>	1.854		0.78		1.42
APR 28.82	APR 27.82		0.00		1.83		0.00		0.485		0.00		0.00
APR 29.82	APR 28.82		0.43		2.35		0.09		0.678	<W	0.01		0.09
APR 30.82	APR 29.82		3.77		3.57		0.27		0.928		0.29		0.56
MAY 2.82	MAY 1.82		8.97		5.64		0.37		1.494		0.36		0.73

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/AIR #03

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
MAY 3,82	MAY 2,82	800	800	1	27640.0	20438	2	1		
MAY 4,82	MAY 3,82	800	800	1	27720.0	20436	2	1		
MAY 5,82	MAY 4,82	800	800	1	27250.0	20443	2	1		
MAY 6,82	MAY 5,82	800	800	1	26860.0	20445	2	1		
MAY 7,82	MAY 6,82	800	800	1	26670.0	20446	2	1		
MAY 8,82	MAY 7,82	800	800	1	25780.0	20447	2	1		
MAY 9,82	MAY 8,82	800	800	1	23970.0	20448	2	1		
MAY 10,82	MAY 9,82	800	800	1	27290.0	20449	2	1		
MAY 11,82	MAY 10,82	800	800	1	27450.0	20450	2	1		
MAY 12,82	MAY 11,82	800	800	1	27850.0	20451	2	1		
MAY 13,82	MAY 12,82	800	800	1	26470.0	20452	2	1		
MAY 14,82	MAY 13,82	800	800	1	27870.0	20453	2	1		
MAY 15,82	MAY 14,82	800	800	1	26620.0	20454	2	1		
MAY 16,82	MAY 15,82	800	800	1	27240.0	20455	2	1		
MAY 17,82	MAY 16,82	800	800	1	27750.0	20456	2	1		
MAY 18,82	MAY 17,82	800	800	1	27080.0	20457	2	1		
MAY 19,82	MAY 18,82	800	800	1	27350.0	20459	2	1		
MAY 20,82	MAY 19,82	800	800	1	23980.0	20461	2	1		
MAY 21,82	MAY 20,82	800	800	1	26320.0	20462	2	1		
MAY 22,82	MAY 21,82	800	800	1	26170.0	20463	2	1		
MAY 23,82	MAY 22,82	800	800	1	27180.0	20464	2	1		
MAY 24,82	MAY 23,82	800	800	1	25740.0	20465	2	1		
MAY 25,82	MAY 24,32	800	800	1	23870.0	20466	2	1		
MAY 26,82	MAY 25,82	700	700	1	24960.0	20467	2	1		
MAY 27,82	MAY 26,82	700	700	1	24220.0	20468	2	1		
MAY 28,82	MAY 27,82	700	700	1	26140.0	20469	2	1		
MAY 29,82	MAY 28,82	700	700	1	23650.0	20470	2	1		
MAY 30,82	MAY 29,82	700	700	1	23770.0	20471	2	1		
MAY 31,82	MAY 30,82	700	700	1	24190.0	20472	2	1		
JUN 1,82	MAY 31,82	700	700	1	22460.0	20473	2	1		
JUN 2,82	JUN 1,82	700	700	1	23960.0	20480	2	1		
JUN 3,82	JUN 2,82	700	700	1	28320.0	20481	2	1		
JUN 4,82	JUN 3,82	700	700	1	27660.0	20482	2	1		
JUN 5,82	JUN 4,82	700	700	1	27060.0	20483	2	1		
JUN 6,82	JUN 5,82	700	700	1	25210.0	20484	2	1		
JUN 7,82	JUN 6,82	700	700	1	24280.0	20485	2	1		
JUN 8,82	JUN 7,82	700	700	1	26370.0	20486	2	1		
JUN 9,82	JUN 8,82	700	700	1	25620.0	20496	2	1		
JUN 10,82	JUN 9,82	700	700	1	26170.0	20498	2	1		
JUN 11,82	JUN 10,82	700	700	1	26210.0	20499	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/AIR #03

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3		TOTL NO3 AS N UG/M**3
MAY 3.82	MAY 2.82	4.28		5.06		0.32		1.689		0.50		0.82
MAY 4.82	MAY 3.82	1.38		1.80		0.17		0.536		0.03		0.20
MAY 5.82	MAY 4.82	0.59		2.25		0.17		0.536		0.10		0.27
MAY 6.82	MAY 5.82	2.71		3.35		0.29		0.698		0.21		0.51
MAY 7.82	MAY 6.82	5.35		6.60		0.63		1.603		0.22		0.85
MAY 8.82	MAY 7.82	13.18	>	9.70		1.70	>	1.938		0.42		2.12
MAY 9.82	MAY 8.82	1.23		4.42		0.27		1.342		0.05		0.32
MAY 10.82	MAY 9.82	1.20		0.78		0.06		1.098	<T	0.01		0.06
MAY 11.82	MAY 10.82	0.95		0.50		0.09		0.151		0.04		0.13
MAY 12.82	MAY 11.82	0.80		1.66		0.34		0.304		0.04		0.37
MAY 13.82	MAY 12.82	5.39		4.16		0.29		1.008		0.14		0.43
MAY 14.82	MAY 13.82	3.43		3.35		0.37		0.684		0.13		0.51
MAY 15.82	MAY 14.82	1.59		2.40		0.23		0.427		0.18		0.41
MAY 16.82	MAY 15.82	3.04		2.57		0.32		0.480		0.31		0.63
MAY 17.82	MAY 16.82	4.06		6.31		0.58		0.932		0.50		1.09
MAY 18.82	MAY 17.82	0.34		1.62		0.15		0.291		0.08		0.24
MAY 19.82	MAY 18.82	0.00		2.79		0.31		0.571		0.15		0.46
MAY 20.82	MAY 19.82	4.89		9.13	U	3.32	>	2.083		0.50		******
MAY 21.82	MAY 20.82	1.79		2.48		0.45		0.580		0.06		0.51
MAY 22.82	MAY 21.82	1.29		1.54		0.20		0.275	U	1.46		******
MAY 23.82	MAY 22.82	0.00		3.09		0.35		1.010		0.42		0.76
MAY 24.82	MAY 23.82	0.00		2.58		0.25		0.542	<W	0.00		0.25
MAY 25.82	MAY 24.82	3.52		2.89		0.35		1.150		0.22		0.57
MAY 26.82	MAY 25.82	0.00		4.00		0.58		0.597		0.29		0.87
MAY 27.82	MAY 26.82	1.08		3.87		0.37		0.940		0.31		0.68
MAY 28.82	MAY 27.82	2.15		20.28		0.41	>	1.911	<W	0.01		0.41
MAY 29.82	MAY 28.82	0.96		15.60		0.59	>	2.112	<W	0.01		0.59
MAY 30.82	MAY 29.82	0.96		8.84		0.58		1.567	<W	0.01		0.58
MAY 31.82	MAY 30.82	0.39		7.98		0.47	>	2.065	<W	0.01		0.47
JUN 1.82	MAY 31.82	0.00		14.83		0.87		2.037	<W	0.01		0.87
JUN 2.82	JUN 1.82	4.98		9.68		0.38		1.178	<W	0.01		0.38
JUN 3.82	JUN 2.82	5.31		0.79		0.05		0.201		0.02		0.07
JUN 4.82	JUN 3.82	3.88		0.77		0.12		0.175		0.06		0.18
JUN 5.82	JUN 4.82	5.08		2.68		0.42		0.720		0.06		0.48
JUN 6.82	JUN 5.82	4.66		2.18		0.31		0.554		0.03		0.34
JUN 7.82	JUN 6.82	6.07		2.01		0.23		0.535		0.04		0.27
JUN 8.82	JUN 7.82	4.19		2.04		0.10		0.466		0.05		0.15
JUN 9.82	JUN 8.82	0.00		0.96		0.20		0.304		0.05		0.25
JUN 10.82	JUN 9.82	2.84		2.85		0.63		0.763		0.11		0.74
JUN 11.82	JUN 10.82	1.45		3.69		0.46		1.048		0.18		0.64

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/AIR #03 PAGE : 9

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
JUN 12.82	JUN 11.82	700	700	1	27620.0	20500	2	1		
JUN 13.82	JUN 12.82	700	700	1	27560.0	20501	2	1		
JUN 14.82	JUN 13.82	700	700	1	27010.0	20503	2	1		
JUN 15.82	JUN 14.82	700	700	1	26040.0	20502	2	1		
JUN 16.82	JUN 15.82	800	700	1	25020.0	20489	2	1		
JUN 17.82	JUN 16.82	800	700	1	24860.0	20490	2	1		
JUN 18.82	JUN 17.82	700	700	1	26250.0	20491	2	1		
JUN 19.82	JUN 18.82	700	700	1	25080.0	20492	2	1		
JUN 20.82	JUN 19.82	700	700	1	25200.0	20493	2	1		
JUN 21.82	JUN 20.82	700	700	1	25810.0	20494	2	1		
JUN 22.82	JUN 21.82	700	700	1	24280.0	20495	2	1		
JUN 23.82	JUN 22.82	700	700	1	25500.0	21001	2	1		
JUN 24.82	JUN 23.82	700	700	1	25230.0	21002	2	1		
JUN 25.82	JUN 24.82	700	700	1	27530.0	21003	2	1		
JUN 26.82	JUN 25.82	700	700	1	25400.0	21004	2	1		
JUN 27.82	JUN 26.82	700	700	1	25730.0	21005	2	1		
JUN 28.82	JUN 27.82	700	700	1	26670.0	21006	2	1		
JUN 29.82	JUN 28.82	700	700	1	26260.0	21007	2	1		
JUN 30.82	JUN 29.82	700	700	1	22970.0	20504	2	1		
JUL 1.82	JUN 30.82	700	700	1	28410.0	20505	2	1		
JUL 2.82	JUL 1.82	700	700	1	27820.0	20506	2	1		
JUL 3.82	JUL 2.82	700	700	1	26610.0	20507	2	1		
JUL 4.82	JUL 3.82	700	700	1	26470.0	20508	2	1		
JUL 5.82	JUL 4.82	700	700	1	26800.0	20509	2	1		
JUL 6.82	JUL 5.82	700	700	1	26650.0	20510	2	1		
JUL 7.82	JUL 6.82	700	700	1	26810.0	20517	2	1		
JUL 8.82	JUL 7.82	700	700	1	24830.0	20518	2	1		
JUL 9.82	JUL 8.82	700	700	1	26550.0	20519	2	1		
JUL 11.82	JUL 9.82	700	700	1	53190.0	20520	2	1	A	Z
JUL 12.82	JUL 11.82	700	700	1	25630.0	20521	2	1		
JUL 13.82	JUL 12.82	700	700	1	25780.0	20522	2	1		
JUL 15.82	JUL 13.82	1200	700	1	49740.0	20533	2	1	A	Z
JUL 16.82	JUL 15.82	700	700	1	25370.0	20534	2	1		
JUL 17.82	JUL 16.82	700	700	1	24270.0	20535	2	1		
JUL 18.82	JUL 17.82	700	700	1	24270.0	20536	2	1		
JUL 19.82	JUL 18.82	700	700	1	23620.0	20537	2	1		
JUL 20.82	JUL 19.82	700	700	1	25140.0	20538	2	1		
JUL 21.82	JUL 20.82	700	700	1	24910.0	23305	2	1		
JUL 27.82	JUL 21.82	700	700	1	159960.0	23306	2	1	A	Z
JUL 28.82	JUL 27.82	700	700	1	26930.0	20540	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/AIR #03

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
JUN 12.82	JUN 11.82	0.00		0.67		0.66		0.226		0.10	0.76
JUN 13.82	JUN 12.82	3.53		5.65		0.62		1.287		0.10	0.72
JUN 14.82	JUN 13.82	10.05		0.91		0.43		0.069		0.04	0.47
JUN 15.82	JUN 14.82	2.61		4.82		0.61		1.266		0.19	0.80
JUN 16.82	JUN 15.82	0.00		1.16		0.00		1.710		0.90	0.90
JUN 17.82	JUN 16.82	6.83		5.19		0.95		0.365		0.06	1.02
JUN 18.82	JUN 17.82	1.00		0.39		0.38		0.081		0.03	0.41
JUN 19.82	JUN 18.82	3.98		4.58		0.41		1.409		0.20	0.61
JUN 20.82	JUN 19.82	4.20		7.85		0.62		1.977		0.29	0.90
JUN 21.82	JUN 20.82	4.88		2.67		0.14		0.877		0.09	0.23
JUN 22.82	JUN 21.82	6.42		1.66		0.13		0.644		0.09	0.23
JUN 23.82	JUN 22.82	7.01		5.01		0.83		1.946		0.01	0.84
JUN 24.82	JUN 23.82	0.00		0.70		0.03		0.187		0.01	0.04
JUN 25.82	JUN 24.82	5.08		0.96		0.27		0.283		0.09	0.37
JUN 26.82	JUN 25.82	7.08		1.14		0.29		1.962		0.78	1.07
JUN 27.82	JUN 26.82	0.50		0.15		0.11		0.479		0.01	0.12
JUN 28.82	JUN 27.82	0.86		0.48		0.22		0.142		0.06	0.28
JUN 29.82	JUN 28.82	1.00		3.25		0.47		0.881		0.16	0.63
JUN 30.82	JUN 29.82	******		7.69		0.17		2.144		0.00	0.17
JUL 1.82	JUN 30.82	2.21		0.35		0.00		0.097	<M	0.01	0.00
JUL 2.82	JUL 1.82	1.06		0.36		0.00		0.069	<M	0.01	0.00
JUL 3.82	JUL 2.82	2.74		1.88		0.30		0.449		0.06	0.36
JUL 4.82	JUL 3.82	1.49		0.42		0.01		0.114	<M	0.01	0.01
JUL 5.82	JUL 4.82	1.48		0.19		0.04		0.082	<M	0.01	0.04
JUL 6.82	JUL 5.82	1.11		1.27		0.22		0.524		0.05	0.27
JUL 7.82	JUL 6.82	13.11	>	9.32		1.25	>	1.854	<T	0.01	1.25
JUL 8.82	JUL 7.82	7.71	>	10.07		1.35	>	2.003		0.04	1.39
JUL 9.82	JUL 8.82	1.43		2.45		0.43		0.649		0.09	0.52
JUL 11.82	JUL 9.82	2.28		1.92		0.43		0.413		0.09	0.52
JUL 12.82	JUL 11.82	2.90	>	9.75		0.77	>	1.941	<M	0.01	0.77
JUL 13.82	JUL 12.82	2.64		1.79		0.42		0.502		0.03	0.44
JUL 15.82	JUL 13.82	0.10		0.75		0.08		0.112		0.07	0.15
JUL 16.82	JUL 15.82	9.52	>	9.85	>	1.15	>	1.962	<M	0.01	******
JUL 17.82	JUL 16.82	8.01	>	10.30		2.62	>	2.051	<M	0.01	2.62
JUL 18.82	JUL 17.82	12.96	>	10.30		1.49	>	2.051	<M	0.01	1.49
JUL 19.82	JUL 18.82	6.54	>	10.58		0.89	>	2.108		0.15	1.04
JUL 20.82	JUL 19.82	1.78		3.88		0.35		1.038		0.06	0.41
JUL 21.82	JUL 20.82	0.67		1.00		0.06		0.198		0.05	0.11
JUL 27.82	JUL 21.82	1.31	>	1.56		0.24		0.197		0.02	0.26
JUL 28.82	JUL 27.82	0.00		0.46		0.03		0.037		0.10	0.13

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/AIR #03 PAGE : 11

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
JUL 29.82	JUL 28.82	700	700	1	23320.0	20541	2	1		
AUG 3.82	JUL 29.82	700	700	1	135800.0	20542	2	1	A	Z
AUG 10.82	AUG 3.82	700	915	1	187780.0	20544	2	1	A	Z
AUG 11.82	AUG 10.82	700	700	1	2485.0	20546	2	1		F
AUG 12.82	AUG 11.82	700	700	1	28540.0	20547	2	1		
AUG 13.82	AUG 12.82	700	700	1	27330.0	20548	2	1		
AUG 15.82	AUG 13.82	700	700	1	52540.0	20549	2	1	A	Z
AUG 16.82	AUG 15.82	700	700	1	26410.0	20550	2	1		
AUG 17.82	AUG 16.82	700	700	1	26910.0	20551	2	1		
AUG 18.82	AUG 17.82	700	700	1	26450.0	20561	2	1		
AUG 19.82	AUG 18.82	700	700	1	27220.0	20562	2	1		
AUG 21.82	AUG 19.82	700	700	1	54920.0	20563	2	1	A	Z
AUG 22.82	AUG 21.82	700	700	1	28660.0	20564	2	1		
AUG 23.82	AUG 22.82	700	700	1	27950.0	20565	2	1		
AUG 24.82	AUG 23.82	700	945	1	29300.0	20566	2	1	A	
AUG 25.82	AUG 24.82	945	700	1	22100.0	20568	2	1		
AUG 26.82	AUG 25.82	700	700	1	26360.0	20569	2	1		
AUG 27.82	AUG 26.82	700	700	1	25900.0	20570	2	1		
AUG 28.82	AUG 27.82	700	700	1	29230.0	20571	2	1		
AUG 29.82	AUG 28.82	700	700	1	26660.0	20572	2	1		
AUG 30.82	AUG 29.82	700	700	1	27470.0	20573	2	1		
AUG 31.82	AUG 30.82	700	700	1	26280.0	20574	2	1		
SEP 1.82	AUG 31.82	700	700	1	27890.0	20576	2	1		
SEP 2.82	SEP 1.82	700	1245	1	29890.0	20577	2	1	A	
SEP 3.82	SEP 2.82	1245	700	1	19690.0	20578	2	1		
SEP 4.82	SEP 3.82	700	700	1	25730.0	20579	2	1		
SEP 5.82	SEP 4.82	700	700	1	25910.0	20580	2	1		
SEP 6.82	SEP 5.82	700	700	1	26390.0	20581	2	1		
SEP 7.82	SEP 6.82	700	700	1	28120.0	20582	2	1		
SEP 8.82	SEP 7.82	700	700	1	26460.0	20592	2	1		
SEP 9.82	SEP 8.82	700	700	1	26400.0	20593	2	1		
SEP 10.82	SEP 9.82	700	700	1	26300.0	20594	2	1		
SEP 11.82	SEP 10.82	700	700	1	25210.0	20595	2	1		
SEP 12.82	SEP 11.82	700	700	1	25580.0	20596	2	1		
SEP 13.82	SEP 12.82	700	700	1	24830.0	20597	2	1		
SEP 14.82	SEP 13.82	700	700	1	25420.0	20598	2	1		
SEP 15.82	SEP 14.82	700	700	1	23490.0	20600	2	1		
SEP 16.82	SEP 15.82	700	700	1	24860.0	20601	2	1		
SEP 17.82	SEP 16.82	700	700	1	26760.0	20602	2	1		
SEP 18.82	SEP 17.82	700	700	1	29060.0	20603	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/AIR #03

REMOVAL DATE	EXPOSURE DATE		SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
JUL 29.82	JUL 28.82		0.00		0.86		0.04		0.196	<T	0.01	0.05
AUG 3.82	JUL 29.82		1.20	>	1.84		0.37	>	0.367		0.03	0.40
AUG 10.82	AUG 3.82	>	3.10	>	1.33	>	0.26	>	0.265		0.03	******
AUG 11.82	AUG 10.82	U	0.00	U	3.05	U	0.73	U	0.647	U	0.61	******
AUG 12.82	AUG 11.82		0.13		0.33		0.05		0.063		0.09	0.14
AUG 13.82	AUG 12.82		0.02		0.49		0.02		0.125		0.05	0.07
AUG 15.82	AUG 13.82		0.20		1.75		0.30		0.285		0.08	0.38
AUG 16.82	AUG 15.82		0.65		5.32		0.24		1.407		0.24	0.49
AUG 17.82	AUG 16.82		4.73	>	9.27		1.15	>	1.856		0.42	1.57
AUG 18.82	AUG 17.82		0.00		2.29		0.09		0.591		0.03	0.12
AUG 19.82	AUG 18.82		0.84		1.93		0.22		0.197		0.33	0.54
AUG 21.82	AUG 19.82		1.93		3.48		0.42		0.777		0.07	0.49
AUG 22.82	AUG 21.82		0.33		0.48		0.01		0.037		0.02	0.03
AUG 23.82	AUG 22.82		1.06		1.57		0.20		0.468		0.07	0.27
AUG 24.82	AUG 23.82		4.77		8.53		0.67		0.815		0.23	0.90
AUG 25.82	AUG 24.82		0.00		2.21		0.23		0.539		0.07	0.30
AUG 26.82	AUG 25.82		0.29		0.80		0.07		0.194	<T	0.01	0.07
AUG 27.82	AUG 26.82		3.37		3.86		0.55		1.084		0.24	0.79
AUG 28.82	AUG 27.82		1.63		3.63		0.54		0.618		0.04	0.58
AUG 29.82	AUG 28.82		0.29		0.23		0.02		0.040	<W	0.01	0.02
AUG 30.82	AUG 29.82		1.13		0.50		0.08		0.148		0.03	0.11
AUG 31.82	AUG 30.82		5.11		4.60		0.67		1.243		0.04	0.70
SEP 1.82	AUG 31.82		0.00		1.61		0.19		0.420		0.04	0.23
SEP 2.82	SEP 1.82		0.70		5.35		0.31		1.140		0.03	0.34
SEP 3.82	SEP 2.82		0.39		4.06		0.29		1.111		0.05	0.34
SEP 4.82	SEP 3.82		0.04		0.39		0.05		0.108		0.03	0.08
SEP 5.82	SEP 4.82		0.00		0.43		0.04		0.118		0.10	0.14
SEP 6.82	SEP 5.82		2.56		3.36		0.36		1.026		0.21	0.57
SEP 7.82	SEP 6.82		1.70		1.87		0.09		0.500		0.09	0.18
SEP 8.82	SEP 7.82		0.45		0.94		0.19		0.109		0.09	0.28
SEP 9.82	SEP 8.82		2.09		2.04		0.66		0.280		0.17	0.83
SEP 10.82	SEP 9.82		6.79		8.33		1.27		1.209		0.09	1.36
SEP 11.82	SEP 10.82		6.17		16.58		1.68	>	1.975		0.03	1.71
SEP 12.82	SEP 11.82		4.24		1.61		0.99		0.164	<W	0.01	0.99
SEP 13.82	SEP 12.82		5.46		10.07		0.83		1.582		0.02	0.85
SEP 14.82	SEP 13.82		8.09	>	19.67		0.99	>	1.959	<T	0.01	1.00
SEP 15.82	SEP 14.82		5.40		13.94		0.64		1.242	<T	0.01	0.65
SEP 16.82	SEP 15.82		0.19		2.14		0.10		0.713		0.09	0.18
SEP 17.82	SEP 16.82		1.17		1.94		0.17		0.502	<T	0.01	0.17
SEP 18.82	SEP 17.82		0.51		1.32		0.07		0.202		0.05	0.12

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/AIR #03

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
SEP 19.82	SEP 18.82	700	700	1	25900.0	20604	2	1		
SEP 20.82	SEP 19.82	700	700	1	26520.0	20605	2	1		
SEP 21.82	SEP 20.82	700	700	1	25060.0	20606	2	1		
SEP 22.82	SEP 21.82	700	700	1	24850.0	20608	2	1		
SEP 23.82	SEP 22.82	700	700	1	26680.0	20609	2	1		
SEP 24.82	SEP 23.82	700	700	1	24530.0	20610	2	1		
SEP 25.82	SEP 24.82	700	700	1	24990.0	20611	2	1		
SEP 26.82	SEP 25.82	700	700	1	26270.0	20612	2	1		
SEP 27.82	SEP 26.82	700	700	1	26360.0	20613	2	1		
SEP 28.82	SEP 27.82	700	700	1	23440.0	20614	2	1		
SEP 29.82	SEP 28.82	700	700	1	24820.0	20616	2	1		
SEP 30.82	SEP 29.82	700	700	1	25790.0	20617	2	1		
OCT 1.82	SEP 30.82	700	700	1	25390.0	20618	2	1		
OCT 2.82	OCT 1.82	700	700	1	26970.0	20619	2	1		
OCT 3.82	OCT 2.82	700	700	1	26410.0	20620	2	1		
OCT 4.82	OCT 3.82	700	700	1	26440.0	20621	2	1		
OCT 5.82	OCT 4.82	700	700	1	25740.0	20622	2	1		
OCT 6.82	OCT 5.82	700	700	1	24880.0	20624	2	1		
OCT 7.82	OCT 6.82	700	700	1	27130.0	20625	2	1		
OCT 8.82	OCT 7.82	700	700	1	25560.0	20626	2	1		
OCT 9.82	OCT 8.82	700	700	1	25230.0	20627	2	1		
OCT 10.82	OCT 9.82	700	700	1	25580.0	20628	2	1		
OCT 11.82	OCT 10.82	700	700	1	27020.0	20629	2	1		
OCT 12.82	OCT 11.82	700	700	1	26950.0	20630	2	1		
OCT 13.82	OCT 12.82	700	700	1	25060.0	20640	2	1		
OCT 14.82	OCT 13.82	700	700	1	26180.0	20641	2	1		
OCT 15.82	OCT 14.82	700	700	1	27080.0	20642	2	1		
OCT 16.82	OCT 15.82	700	700	1	27960.0	20643	2	1		
OCT 17.82	OCT 16.82	700	700	1	28370.0	20644	2	1		
OCT 18.82	OCT 17.82	700	700	1	27600.0	20645	2	1		
OCT 19.82	OCT 18.82	700	700	1	28060.0	20646	2	1		
OCT 20.82	OCT 19.82	700	700	1	27930.0	20648	2	1		
OCT 21.82	OCT 20.82	700	700	1	27830.0	20649	2	1		
OCT 22.82	OCT 21.82	700	700	1	29070.0	20650	2	1		
OCT 23.82	OCT 22.82	700	700	1	29040.0	20651	2	1		
OCT 24.82	OCT 23.82	700	700	1	29850.0	20652	2	1		
OCT 25.82	OCT 24.82	700	700	1	27410.0	20653	2	1		
OCT 26.82	OCT 25.82	700	700	1	25890.0	20654	2	1		
OCT 27.82	OCT 26.82	700	700	1	26840.0	20656	2	1		
OCT 28.82	OCT 27.82	700	700	1	25730.0	20657	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/AIR #03 PAGE : 14

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
SEP 19.82	SEP 18.82	0.96	0.75	0.08	0.191 <T	0.01	0.09
SEP 20.82	SEP 19.82	0.31	0.55	0.04	0.092	0.03	0.08
SEP 21.82	SEP 20.82	5.92	4.73	0.66	0.795	0.10	0.75
SEP 22.82	SEP 21.82	0.73	5.23	0.52	1.837	0.61	1.13
SEP 23.82	SEP 22.82	0.30	7.03	0.56	0.296	0.27	0.83
SEP 24.82	SEP 23.82	0.00	2.06	0.14	0.658	0.04	0.18
SEP 25.82	SEP 24.82	4.18	11.58	0.75	0.670	0.23	0.98
SEP 26.82	SEP 25.82	3.10	14.25	1.04	1.539	0.10	1.14
SEP 27.82	SEP 26.82	2.06	12.80	0.80	> 1.894	0.55	1.35
SEP 28.82	SEP 27.82	0.00	1.47	0.13	0.424	0.07	0.20
SEP 29.82	SEP 28.82	0.00	5.40	0.12	1.144	0.00	0.12
SEP 30.82	SEP 29.82	1.76	3.28	0.22	0.386	0.08	0.30
OCT 1.82	SEP 30.82	4.67	9.48	0.51	1.385	0.00	0.51
OCT 2.82	OCT 1.82	5.40	5.81	0.51	1.296	0.00	0.51
OCT 3.82	OCT 2.82	0.58	0.00	0.06	0.008	0.00	0.06
OCT 4.82	OCT 3.82	7.24	6.27	0.43	0.048	0.14	0.57
OCT 5.82	OCT 4.82	1.89	0.80	0.06	0.130	0.00	0.06
OCT 6.82	OCT 5.82	1.75	1.56	0.21	0.187	0.14	0.35
OCT 7.82	OCT 6.82	3.02	2.81	0.54	0.195	0.39	0.93
OCT 8.82	OCT 7.82	2.68	0.63	0.24	0.139	0.03	0.27
OCT 9.82	OCT 8.82	2.46	4.32	0.37	1.068	0.15	0.51
OCT 10.82	OCT 9.82	2.42	2.78	0.15	0.725	0.12	0.26
OCT 11.82	OCT 10.82	3.03	1.85	0.09	0.342	0.19	0.28
OCT 12.82	OCT 11.82	3.77	4.68	0.43	0.206	0.12	0.55
OCT 13.82	OCT 12.82	3.22	3.90	0.53	1.079	0.33	0.86
OCT 14.82	OCT 13.82	4.42	6.94	0.74	0.452	0.22	0.96
OCT 15.82	OCT 14.82	1.07	1.82	0.24	0.326	0.07	0.31
OCT 16.82	OCT 15.82	0.32	0.00	0.05	0.008 <T	0.01	0.06
OCT 17.82	OCT 16.82	0.91	0.11	0.01	0.031 <W	0.01	0.01
OCT 18.82	OCT 17.82	0.57	0.00	0.03	0.003 <W	0.01	0.03
OCT 19.82	OCT 18.82	8.65	2.83	0.40	0.464	0.13	0.53
OCT 20.82	OCT 19.82	19.14	6.35	0.71	> 1.781	0.20	0.91
OCT 21.82	OCT 20.82	5.54	3.77	0.42	0.825	0.18	0.60
OCT 22.82	OCT 21.82	0.38	0.21	0.02	0.042 <W	0.01	0.02
OCT 23.82	OCT 22.82	0.49	0.56	0.06	0.045	0.05	0.11
OCT 24.82	OCT 23.82	0.48	1.76	0.07	0.275	0.05	0.12
OCT 25.82	OCT 24.82	2.23	1.09	0.13	0.303	0.10	0.23
OCT 26.82	OCT 25.82	1.97	2.70	0.20	0.933	0.47	0.67
OCT 27.82	OCT 26.82	3.80	4.43	0.31	0.983	0.40	0.72
OCT 28.82	OCT 27.82	5.00	6.22	0.95	1.785	0.73	1.68

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/AIR #03

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
OCT 29.82	OCT 28.82	700	700	1	26170.0	20658	2	1		
OCT 30.82	OCT 29.82	700	700	1	27380.0	20659	2	1		
OCT 31.82	OCT 30.82	700	700	1	28010.0	20660	2	1		
NOV 1.82	OCT 31.82	700	700	1	25940.0	20661	2	1		
NOV 2.82	NOV 1.82	700	700	1	********	20662	2	1	RK	
NOV 4.82	NOV 2.82	700	700	1	57310.0	20664	2	1	A	Z
NOV 5.82	NOV 4.82	700	700	1	23980.0	20665	2	1		
NOV 6.82	NOV 5.82	700	700	1	26900.0	20666	2	1		
NOV 7.82	NOV 6.82	700	700	1	28740.0	20667	2	1		
NOV 8.82	NOV 7.82	700	700	1	28030.0	20668	2	1		
NOV 9.82	NOV 8.82	700	700	1	28460.0	20669	2	1		
NOV 10.82	NOV 9.82	700	700	1	28600.0	20680	2	1		
NOV 11.82	NOV 10.82	700	700	1	28790.0	20681	2	1		
NOV 12.82	NOV 11.82	700	700	1	27020.0	20682	2	1		
NOV 13.82	NOV 12.82	700	700	1	26980.0	20683	2	1		
NOV 14.82	NOV 13.82	700	700	1	29200.0	20684	2	1		
NOV 15.82	NOV 14.82	700	700	1	28330.0	20685	2	1		
NOV 16.82	NOV 15.82	700	700	1	27960.0	20686	2	1		
NOV 17.82	NOV 16.82	800	800	1	27250.0	20688	2	1		
NOV 18.82	NOV 17.82	800	800	1	25110.0	20689	2	1		
NOV 19.82	NOV 18.82	800	800	1	27130.0	20690	2	1		
NOV 20.82	NOV 19.82	800	800	1	27700.0	20691	2	1		
NOV 21.82	NOV 20.82	800	800	1	27150.0	20692	2	1		
NOV 22.82	NOV 21.82	800	800	1	24960.0	20693	2	1		
NOV 23.82	NOV 22.82	800	800	1	25750.0	20694	2	1		
NOV 24.82	NOV 23.82	800	800	1	25310.0	20696	2	1		
NOV 25.82	NOV 24.82	800	800	1	28480.0	20697	2	1		
NOV 26.82	NOV 25.82	800	800	1	28380.0	20698	2	1		
NOV 27.82	NOV 26.82	800	800	1	26810.0	20699	2	1		
NOV 28.82	NOV 27.82	800	800	1	29040.0	20700	2	1		
NOV 29.82	NOV 28.82	800	800	1	26030.0	20701	2	1		
NOV 30.82	NOV 29.82	800	800	1	25010.0	20702	2	1		
DEC 1.82	NOV 30.82	800	800	1	24670.0	20708	2	1		
DEC 2.82	DEC 1.82	800	800	1	25030.0	20709	2	1		
DEC 3.82	DEC 2.82	800	800	1	24850.0	20710	2	1		
DEC 4.82	DEC 3.82	800	800	1	28620.0	20711	2	1		
DEC 5.82	DEC 4.82	800	800	1	28000.0	20712	2	1		
DEC 6.82	DEC 5.82	800	800	1	28660.0	20713	2	1		
DEC 7.82	DEC 6.82	800	800	1	27140.0	20714	2	1		
DEC 8.82	DEC 7.82	800	800	1	27790.0	20716	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/AIR #03

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3	NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3		TOTL NO3 AS N UG/M**3
OCT 29.82	OCT 28.82	16.65		13.30	******		1.106		0.84		******
OCT 30.82	OCT 29.82	19.67		8.03	0.96	>	1.824		0.44		1.40
OCT 31.82	OCT 30.82	13.41		3.86	0.66		1.490		0.78		1.43
NOV 1.82	OCT 31.82	11.51		9.02	0.55		1.416		0.79		1.34
NOV 2.82	NOV 1.82	******		******	******		******		******		******
NOV 4.82	NOV 2.82	3.98		4.22	0.42	>	0.871		0.27		0.69
NOV 5.82	NOV 4.82	0.32	<T	0.05	0.00		0.024	<<	0.01		0.00
NOV 6.82	NOV 5.82	3.26		1.53	0.28		0.200		0.06		0.34
NOV 7.82	NOV 6.82	3.73		2.44	0.48		0.192		0.10		0.59
NOV 8.82	NOV 7.82	17.17		5.39	0.87		0.756		0.87		1.74
NOV 9.82	NOV 8.82	4.97		1.54	0.37		0.351		0.07		0.44
NOV 10.82	NOV 9.82	0.52		0.37	0.03		0.149		0.08		0.10
NOV 11.82	NOV 10.82	4.81		0.76	0.11		0.204		0.10		0.22
NOV 12.82	NOV 11.82	17.34		7.79	0.89		1.629		0.57		1.46
NOV 13.82	NOV 12.82	6.84		4.76	0.33		0.505		0.08		0.42
NOV 14.82	NOV 13.82	2.10		0.32	0.04		0.076		0.06		0.10
NOV 15.82	NOV 14.82	5.24		1.39	0.25		0.410		0.10		0.34
NOV 16.82	NOV 15.82	4.95		1.14	0.35		0.351		0.04		0.38
NOV 17.82	NOV 16.82	17.09		2.80	0.50		0.853		0.28		0.78
NOV 18.82	NOV 17.82	14.96		5.55	0.60		2.337		1.10		1.70
NOV 19.82	NOV 18.82	13.85		4.06	0.18		3.223		1.83		2.02
NOV 20.82	NOV 19.82	7.53		6.66	0.65		1.514		0.42		1.07
NOV 21.82	NOV 20.82	3.78		5.84	0.49		0.108		0.17		0.66
NOV 22.82	NOV 21.82	2.50		2.63	0.21		0.807		0.04		0.25
NOV 23.82	NOV 22.82	1.65		4.10	0.07		1.085		0.44		0.51
NOV 24.82	NOV 23.82	11.86		3.73	0.47		0.246		0.03		0.51
NOV 25.82	NOV 24.82	7.37		1.27	0.15		0.295		0.10		0.24
NOV 26.82	NOV 25.82	6.59		3.84	0.41		1.487		1.09		1.49
NOV 27.82	NOV 26.82	8.47		2.15	1.40		0.466		0.08		1.48
NOV 28.82	NOV 27.82	0.92		0.39	0.10		0.029		0.02		0.12
NOV 29.82	NOV 28.82	5.49		2.40	0.32		0.718		0.29		0.60
NOV 30.82	NOV 29.82	3.07		1.95	0.22		0.556		0.07		0.29
DEC 1.82	NOV 30.82	6.36		2.74	0.13		1.017		0.29		0.42
DEC 2.82	DEC 1.82	7.87		4.79	0.30		1.723		0.44		0.74
DEC 3.82	DEC 2.82	11.95		6.24	0.58		2.160		0.19		0.77
DEC 4.82	DEC 3.82	3.15		5.38	0.52		1.703		0.17		0.69
DEC 5.82	DEC 4.82	0.83		2.28	0.29		0.676		0.10		0.39
DEC 6.82	DEC 5.82	3.49		1.05	0.09		0.375		0.04		0.14
DEC 7.82	DEC 6.82	0.62		1.06	0.14		0.276		0.04		0.18
DEC 8.82	DEC 7.82	5.35		1.17	0.00		0.303		0.10		0.10

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/AIR #03

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
DEC 9.82	DEC 8.82	800	800	1	26340.0	20717	2	1		
DEC 10.82	DEC 9.82	800	800	1	28950.0	20718	2	1		
DEC 11.82	DEC 10.82	800	800	1	29520.0	20719	2	1		
DEC 12.82	DEC 11.82	800	800	1	29700.0	20720	2	1		
DEC 13.82	DEC 12.82	800	800	1	29790.0	20721	2	1		
DEC 14.82	DEC 13.82	800	800	1	29180.0	20722	2	1		
DEC 15.82	DEC 14.82	800	800	1	27400.0	20724	2	1		
DEC 16.82	DEC 15.82	800	800	1	24890.0	20725	2	1		
DEC 17.82	DEC 16.82	800	800	1	27220.0	20726	2	1		
DEC 18.82	DEC 17.82	800	800	1	29270.0	20727	2	1		
DEC 19.82	DEC 18.82	800	800	1	29190.0	20728	2	1		
DEC 20.82	DEC 19.82	800	800	1	27990.0	20729	2	1		
DEC 21.82	DEC 20.82	800	800	1	27500.0	20730	2	1		
DEC 22.82	DEC 21.82	800	800	1	27830.0	20732	2	1		
DEC 23.82	DEC 22.82	800	800	1	29360.0	20733	2	1		
DEC 24.82	DEC 23.82	800	800	1	27500.0	20734	2	1		
DEC 25.82	DEC 24.82	800	800	1	24620.0	20735	2	1		
DEC 26.82	DEC 25.82	800	800	1	26260.0	20736	2	1		
DEC 27.82	DEC 26.82	800	800	1	27260.0	20737	2	1		
DEC 28.82	DEC 27.82	800	800	1	25320.0	20738	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/AIR #03 PAGE : 19

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
DEC 9.82	DEC 8.82	17.03		3.27	0.77	0.864	0.12	0.89
DEC 10.82	DEC 9.82	2.37		0.78	0.10	0.150	0.11	0.21
DEC 11.82	DEC 10.82	3.23		1.23	0.12	0.251	0.11	0.23
DEC 12.82	DEC 11.82	14.67		2.15	0.40	0.578	0.22	0.62
DEC 13.82	DEC 12.82	1.07	<T	0.04	0.03	0.014	0.03	0.06
DEC 14.82	DEC 13.82	2.35		1.07	0.20	0.247	0.16	0.37
DEC 15.82	DEC 14.82	21.52		4.16	0.64	0.999	0.21	0.85
DEC 16.82	DEC 15.82	11.02		3.86	0.61	1.343	0.17	0.78
DEC 17.82	DEC 16.82	3.10		1.33	0.07	0.337	0.04	0.11
DEC 18.82	DEC 17.82	3.00		1.07	0.07	0.346	0.23	0.31
DEC 19.82	DEC 18.82	3.12		1.50	0.07	0.505	0.33	0.40
DEC 20.82	DEC 19.82	1.58		2.14	0.19	0.505	0.21	0.39
DEC 21.82	DEC 20.82	5.61		2.68	0.27	0.870	0.17	0.44
DEC 22.82	DEC 21.82	4.34		1.08	0.10	0.312	0.09	0.19
DEC 23.82	DEC 22.82	3.99		1.83	0.19	0.672	0.33	0.52
DEC 24.82	DEC 23.82	8.41		4.18	0.12	2.127	1.09	1.21
DEC 25.82	DEC 24.82	8.70		4.87	0.47	1.825	0.72	1.19
DEC 26.82	DEC 25.82	8.43		2.76	0.37	0.828	0.18	0.55
DEC 27.82	DEC 26.82	1.75		1.15	0.07	0.264	0.06	0.13
DEC 28.82	DEC 27.82	5.98		1.03	0.20	0.169	0.07	0.27

PART VI

NORTHWESTERN REGION DAILY AMBIENT AIR CONCENTRATION RESULTS

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : FERNHERG/DAILY/AIR #06 PAGE : 1

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
JAN 2.82	JAN 1.82	800	800	1	25160.0	30093	2	1		
JAN 3.82	JAN 2.82	800	800	1	22360.0	30094	2	1		
JAN 4.82	JAN 3.82	800	800	1	26090.0	30095	2	1		
JAN 5.82	JAN 4.82	800	800	1	28430.0	30096	2	1		
JAN 6.82	JAN 5.82	800	800	1	24880.0	30097	2	1		
JAN 7.82	JAN 6.82	800	800	1	26180.0	30098	2	1		
JAN 8.82	JAN 7.82	800	800	1	26350.0	30099	2	1		
JAN 13.82	JAN 12.82	800	800	1	25610.0	30116	2	1		
JAN 14.82	JAN 13.82	800	800	1	23320.0	30115	2	1		
JAN 15.82	JAN 14.82	800	800	1	24970.0	30114	2	1		
JAN 16.82	JAN 15.82	800	800	1	26120.0	30113	2	1		
JAN 17.82	JAN 16.82	800	800	1	26280.0	30112	2	1		
JAN 18.82	JAN 17.82	800	800	1	26540.0	30111	2	1		
JAN 19.82	JAN 18.82	800	800	1	26200.0	30110	2	1		
JAN 20.82	JAN 19.82	800	800	1	24500.0	30102	2	1		
JAN 21.82	JAN 20.82	800	800	1	24160.0	30108	2	1		
JAN 22.82	JAN 21.82	800	800	1	24550.0	30107	2	1		
JAN 23.82	JAN 22.82	800	800	1	27310.0	30106	2	1		
JAN 24.82	JAN 23.82	800	800	1	8300.0	30105	2	1	E	F
JAN 25.82	JAN 24.82	800	800	1	25640.0	30104	2	1		
JAN 26.82	JAN 25.82	800	800	1	25890.0	30103	2	1		
JAN 27.82	JAN 26.82	800	800	1	25530.0	30131	2	1		
JAN 28.82	JAN 27.82	800	800	1	22900.0	30125	2	1		
JAN 29.82	JAN 28.82	800	800	1	25540.0	30126	2	1		
JAN 30.82	JAN 29.82	800	800	1	24990.0	30127	2	1		
JAN 31.82	JAN 30.82	800	800	1	26330.0	30128	2	1		
FEB 1.82	JAN 31.82	800	800	1	24810.0	30129	2	1		
FEB 2.82	FEB 1.82	800	800	1	25740.0	30130	2	1		
FEB 3.82	FEB 2.82	800	800	1	25540.0	30124	2	1		
FEB 4.82	FEB 3.82	800	800	1	26430.0	30123	2	1		
FEB 5.82	FEB 4.82	800	800	1	26380.0	30122	2	1		
FEB 6.82	FEB 5.82	800	800	1	28730.0	30121	2	1		
FEB 7.82	FEB 6.82	800	800	1	24310.0	30120	2	1		
FEB 8.82	FEB 7.82	800	800	1	25260.0	30119	2	1		
FEB 9.82	FEB 8.82	800	800	1	26310.0	30118	2	1		
FEB 17.82	FEB 16.82	800	800	1	23460.0	30173	2	1		
FEB 18.82	FEB 17.82	800	800	1	24590.0	30174	2	1		
FEB 19.82	FEB 18.82	800	800	1	21320.0	30175	2	1		
FEB 20.82	FEB 19.82	800	800	1	26130.0	30176	2	1		
FEB 21.82	FEB 20.82	800	800	1	24940.0	30177	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : FERNBERG/DAILY/AIR #04

REMOVAL DATE	EXPOSURE DATE		SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
JAN 2.82	JAN 1.82		1.27		0.84		0.07	<T	0.003		0.04	0.11
JAN 3.82	JAN 2.82		4.86		1.06		0.20		0.314		0.03	0.23
JAN 4.82	JAN 3.82		1.74		0.86		0.13		0.166		0.03	0.16
JAN 5.82	JAN 4.82		0.77		0.57		0.06		0.052		0.04	0.10
JAN 6.82	JAN 5.82		4.65		1.21		0.19		0.280	<T	0.01	0.19
JAN 7.82	JAN 6.82		6.32		1.34		0.08		0.121		0.04	0.12
JAN 8.82	JAN 7.82		7.10		1.27		0.25		0.334	<T	0.01	0.25
JAN 13.82	JAN 12.82		0.71		0.59		0.03		0.114	<T	0.01	0.04
JAN 14.82	JAN 13.82		2.49		0.86		0.12		0.184	<T	0.01	0.13
JAN 15.82	JAN 14.82		4.34		1.20		0.22		0.231	<W	0.01	0.22
JAN 16.82	JAN 15.82		8.86		2.58		0.41		0.684	<W	0.01	0.41
JAN 17.82	JAN 16.82		2.09		0.81		0.01		0.091		0.10	0.12
JAN 18.82	JAN 17.82		2.94		0.94		0.02		0.106		0.12	0.14
JAN 19.82	JAN 18.82		4.64		1.10		0.19		0.232		0.13	0.33
JAN 20.82	JAN 19.82		11.00		2.76		0.47		0.666	<W	0.01	0.47
JAN 21.82	JAN 20.82		3.66		1.19		0.04		0.139	<W	0.01	0.04
JAN 22.82	JAN 21.82		4.88	<W	0.05	<T	0.00		0.017	<W	0.01	0.00
JAN 23.82	JAN 22.82		1.93	<W	0.05	<W	0.00		0.013	<W	0.01	0.00
JAN 24.82	JAN 23.82	U	1.94	U	0.15	U	0.00	U	0.000	U	0.03	******
JAN 25.82	JAN 24.82		1.54		0.44	<W	0.00		0.076	<W	0.01	0.00
JAN 26.82	JAN 25.82		2.30		0.39	<W	0.00	U	2.219	<W	0.01	0.00
JAN 27.82	JAN 26.82		7.38		0.61		0.33		0.166		0.06	0.40
JAN 28.82	JAN 27.82		7.92		3.25		0.60		0.424		0.05	0.65
JAN 29.82	JAN 28.82		4.36		1.15		0.14		0.222		0.03	0.17
JAN 30.82	JAN 29.82		5.61		0.91		0.36		0.255		0.03	0.39
JAN 31.82	JAN 30.82		4.23		0.36		0.06		0.081	<W	0.01	0.06
FEB 1.82	JAN 31.82		7.19		0.53		0.21		0.096	<W	0.01	0.21
FEB 2.82	FEB 1.82		10.16		2.70		0.44		0.333		0.02	0.45
FEB 3.82	FEB 2.82		3.35		2.23		0.09		0.502	<W	0.00	0.09
FEB 4.82	FEB 3.82		3.10		2.46		0.15		0.485		0.05	0.19
FEB 5.82	FEB 4.82		5.90		2.51		0.31		0.486		0.06	0.36
FEB 6.82	FEB 5.82		6.32		1.98		0.22		0.419	<W	0.01	0.22
FEB 7.82	FEB 6.82		7.47		2.01		0.31		0.478	<T	0.01	0.32
FEB 8.82	FEB 7.82		2.72		1.29		0.04		0.078		0.07	0.11
FEB 9.82	FEB 8.82		******		1.00		0.06		0.163		0.14	0.20
FEB 17.82	FEB 16.82		2.86		0.53		0.14		0.038	<W	0.01	0.14
FEB 18.82	FEB 17.82		16.96		3.40		0.28		0.752	<W	0.01	0.28
FEB 19.82	FEB 18.82		2.84		2.46		0.54		0.619	<W	0.01	0.56
FEB 20.82	FEB 19.82		2.57		2.10		0.50		0.574	<W	0.01	0.50
FEB 21.82	FEB 20.82		1.76		1.55		0.18		0.421	<W	0.01	0.18

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : FERNBERG/DAILY/AIR #04 PAGE : 1

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
FEB 22.82	FEB 21.82	800	800	1	24070.0	30178	2	1		
FEB 23.82	FEB 22.82	800	800	1	24320.0	30179	2	1		
FEB 24.82	FEB 23.82	800	800	1	25480.0	30165	2	1		
FEB 25.82	FEB 24.82	800	800	1	26440.0	30166	2	1		
FEB 26.82	FEB 25.82	800	800	1	26020.0	30167	2	1		
FEB 27.82	FEB 26.82	800	800	1	26920.0	30168	2	1		
FEB 28.82	FEB 27.82	800	800	1	26080.0	30169	2	1		
MAR 1.82	FEB 28.82	800	800	1	24850.0	30170	2	1		
MAR 2.82	MAR 1.82	800	800	1	25790.0	30171	2	1		
MAR 3.82	MAR 2.82	800	800	1	25860.0	30157	2	1		
MAR 4.82	MAR 3.82	800	800	1	25830.0	30158	2	1		
MAR 5.82	MAR 4.82	800	800	1	24890.0	30159	2	1		
MAR 6.82	MAR 5.82	800	800	1	27780.0	30160	2	1		
MAR 7.82	MAR 6.82	800	800	1	25540.0	30161	2	1		
MAR 9.82	MAR 7.82	800	800	1	50040.0	30162	2	1	A	Z
MAR 10.82	MAR 9.82	800	800	1	23580.0	30155	2	1		
MAR 11.82	MAR 10.82	800	800	1	22900.0	30149	2	1		
MAR 12.82	MAR 11.82	800	800	1	24600.0	30150	2	1		
MAR 13.82	MAR 12.82	800	800	1	25040.0	30151	2	1		
MAR 14.82	MAR 13.82	800	900	1	34470.0	30152	2	1	F	
MAR 15.82	MAR 14.82	800	800	1	23970.0	30153	2	1		
MAR 16.82	MAR 15.82	900	800	1	23700.0	30154	2	1		
MAR 17.82	MAR 16.82	1130	800	1	20330.0	30133	2	1		
MAR 18.82	MAR 17.82	800	800	1	23640.0	30134	2	1		
MAR 19.82	MAR 18.82	800	800	1	29250.0	30135	2	1		
MAR 20.82	MAR 19.82	800	800	1	35580.0	30136	2	1		
MAR 21.82	MAR 20.82	800	800	1	25090.0	30137	2	1		
MAR 22.82	MAR 21.82	800	800	1	25070.0	30138	2	1		
MAR 24.82	MAR 23.82	1200	800	1	20880.0	10677	2	1		
MAR 25.82	MAR 24.82	800	800	1	26650.0	10678	2	1		
MAR 26.82	MAR 25.82	800	800	1	25730.0	10679	2	1		
MAR 27.82	MAR 26.82	800	800	1	28790.0	10680	2	1		
MAR 28.82	MAR 27.82	800	800	1	35410.0	10681	2	1		
MAR 29.82	MAR 28.82	800	800	1	25120.0	10682	2	1		
MAR 30.82	MAR 29.82	800	800	1	24040.0	10683	2	1		
MAR 31.82	MAR 30.82	800	800	1	22460.0	30147	2	1		
APR 1.82	MAR 31.82	800	800	1	25960.0	30141	2	1		
APR 2.82	APR 1.82	800	800	1	25240.0	30142	2	1		
APR 3.82	APR 2.82	800	800	1	13560.0	30143	2	1	AH	F
APR 4.82	APR 3.82	800	800	1	36060.0	30144	2	1	F	

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : FERNBERG/DAILY/AIR #04

REMOVAL DATE	EXPOSURE DATE		SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3		TOTL NO3 AS N UG/M**3
FEB 22.82	FEB 21.82		2.65		0.52		0.26	0.135	<W	0.01		0.26
FEB 23.82	FEB 22.82		0.70		1.13		0.25	0.298	<W	0.01		0.25
FEB 24.82	FEB 23.82		0.00		0.64		0.05	0.144		0.02		0.07
FEB 25.82	FEB 24.82		0.47		0.61		0.03	0.135	<T	0.01		0.04
FEB 26.82	FEB 25.82		2.65		******		0.21	******		******		******
FEB 27.82	FEB 26.82		0.71		0.51		0.16	0.118		0.02		0.18
FEB 28.82	FEB 27.82		0.86		0.38		0.08	0.097	<T	0.01		0.09
MAR 1.82	FEB 28.82		8.28		4.23		0.88	1.170		0.05		0.93
MAR 2.82	MAR 1.82		2.55		2.09		0.05	0.367	<T	0.01		0.04
MAR 3.82	MAR 2.82		2.65		1.35		0.02	0.204	<T	0.01		0.03
MAR 4.82	MAR 3.82		4.71		2.18		0.11	0.418		0.02		0.13
MAR 5.82	MAR 4.82		2.89		0.60		0.16	0.144		0.02		0.18
MAR 6.82	MAR 5.82		4.74		2.16		0.18	0.203		0.05		0.22
MAR 7.82	MAR 6.82		3.86		2.79		0.06	0.430	<T	0.01		0.07
MAR 9.82	MAR 7.82		3.11		2.40		0.07	0.103		0.03		0.10
MAR 10.82	MAR 9.82		1.85		0.51		0.28	0.108		0.06		0.34
MAR 11.82	MAR 10.82		2.62		3.74		0.79	0.644		0.07		0.86
MAR 12.82	MAR 11.82		4.76		1.04		0.29	0.209		0.03		0.32
MAR 13.82	MAR 12.82		2.40		2.38		0.41	0.549		0.03		0.43
MAR 14.82	MAR 13.82		0.00		0.17		0.02	0.032	<T	0.00		0.02
MAR 15.82	MAR 14.82		6.26		0.81		0.09	0.210		0.02		0.10
MAR 16.82	MAR 15.82		2.95		0.82		0.15	0.116	<T	0.01		0.16
MAR 17.82	MAR 16.82		1.34		1.26		0.06	0.194		0.00		0.06
MAR 18.82	MAR 17.82		1.59		0.47		0.09	0.072	<W	0.01		0.09
MAR 19.82	MAR 18.82		0.49		0.30		0.05	0.046	<T	0.00		0.05
MAR 20.82	MAR 19.82		1.43		0.49		0.03	******	<T	0.00		0.03
MAR 21.82	MAR 20.82		1.63		0.55		0.08	0.077	<W	0.01		0.08
MAR 22.82	MAR 21.82		2.44		0.85		0.17	0.141	<W	0.01		0.17
MAR 24.82	MAR 23.82		0.00	<W	0.06		0.23	0.028	<W	0.01		0.23
MAR 25.82	MAR 24.82		0.72		1.13		0.02	0.267	<W	0.01		0.02
MAR 26.82	MAR 25.82		0.49		0.10		0.02	0.028	<W	0.01		0.02
MAR 27.82	MAR 26.82		2.17		0.43		0.03	0.086	<W	0.01		0.03
MAR 28.82	MAR 27.82		0.92	<W	0.04		0.05	0.029	<W	0.01		0.05
MAR 29.82	MAR 28.82		0.90		1.54		0.40	0.656		0.28		0.68
MAR 30.82	MAR 29.82		3.42		2.08		0.74	0.694		0.15		0.89
MAR 31.82	MAR 30.82		0.06		3.06		0.20	0.302	<T	0.01		0.21
APR 1.82	MAR 31.82		2.21		1.88		0.02	0.326	<W	0.01		0.02
APR 2.82	APR 1.82		0.70		1.43		0.02	0.155	<W	0.01		0.02
APR 3.82	APR 2.82	U	0.56	U	1.19	U	0.02	0.248	U	0.04		******
APR 4.82	APR 3.82		0.03		0.83		0.00	0.079		0.01		0.02

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : FERNBERG/DAILY/AIR #04

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
APR 5.82	APR 4.82	800	800	1	14840.0	30145	2	1	H	
APR 6.82	APR 5.82	800	800	1	3720.0	30146	2	1	H	F
APR 14.82	APR 13.82	800	800	1	24650.0	10633	2	1		
APR 15.82	APR 14.82	800	800	1	25520.0	10634	2	1		
APR 16.82	APR 15.82	800	800	1	23380.0	10635	2	1		
APR 17.82	APR 16.82	800	800	1	25440.0	10636	2	1		
APR 18.82	APR 17.82	800	800	1	34080.0	10637	2	1		
APR 19.82	APR 18.82	800	800	1	23030.0	10638	2	1		
APR 20.82	APR 19.82	800	800	1	25060.0	10639	2	1		
APR 21.82	APR 20.82	800	800	1	25040.0	10642	2	1		
APR 22.82	APR 21.82	800	800	1	25330.0	10643	2	1		
APR 23.82	APR 22.82	800	800	1	24670.0	10644	2	1		
APR 24.82	APR 23.82	800	800	1	26320.0	10645	2	1		
APR 25.82	APR 24.82	800	800	1	23940.0	10646	2	1		
APR 26.82	APR 25.82	800	800	1	24510.0	10647	2	1		
APR 27.82	APR 26.82	800	800	1	23580.0	10648	2	1		
APR 28.82	APR 27.82	800	800	1	21340.0	10650	2	1		
APR 29.82	APR 28.82	800	800	1	29610.0	10651	2	1		
APR 30.82	APR 29.82	800	800	1	24630.0	10652	2	1		
MAY 1.82	APR 30.82	800	800	1	26130.0	10653	2	1		
MAY 2.82	MAY 1.82	800	800	1	24460.0	10654	2	1		
MAY 3.82	MAY 2.82	800	800	1	24320.0	10655	2	1		
MAY 4.82	MAY 3.82	800	800	1	22640.0	10656	2	1		
MAY 5.82	MAY 4.82	800	800	1	700.0	10658	2	1	C	F
MAY 6.82	MAY 5.82	800	800	1	10950.0	10659	2	1		F
MAY 7.82	MAY 6.82	800	800	1	25060.0	10660	2	1		
MAY 8.82	MAY 7.82	800	800	1	26820.0	10661	2	1		
MAY 9.82	MAY 8.82	800	800	1	25740.0	10662	2	1		
MAY 10.82	MAY 9.82	800	800	1	24550.0	10663	2	1		
MAY 11.82	MAY 10.82	800	800	1	19080.0	10664	2	1		
MAY 12.82	MAY 11.82	800	800	1	22320.0	95401	2	1		
MAY 13.82	MAY 12.82	800	800	1	24110.0	95402	2	1		
MAY 14.82	MAY 13.82	800	800	1	20690.0	95403	2	1		
MAY 15.82	MAY 14.82	800	800	1	25260.0	95404	2	1		
MAY 16.82	MAY 15.82	800	800	1	21810.0	95405	2	1		
MAY 17.82	MAY 16.82	800	800	1	20830.0	95406	2	1		
MAY 18.82	MAY 17.82	800	800	1	20320.0	95407	2	1		
MAY 19.82	MAY 18.82	800	800	1	19267.0	95409	2	1		
MAY 20.82	MAY 19.82	800	800	1	23960.0	95410	2	1		
MAY 21.82	MAY 20.82	800	800	1	24300.0	95411	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : FERNBERG/DAILY/AIR #04 PAGE : A

REMOVAL DATE	EXPOSURE DATE		SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
APR 5.82	APR 4.82		0.74		1.60		0.04		0.260	<W	0.02	0.04
APR 6.82	APR 5.82	U	4.75	U	1.68	U	0.09	U	0.446	U	0.07	******
APR 14.82	APR 13.82		1.18		1.62		0.03		0.368	<W	0.01	0.03
APR 15.82	APR 14.82		2.71		2.89		0.28		0.935		0.18	0.46
APR 16.82	APR 15.82		3.38		6.59		0.81		1.898		0.14	0.95
APR 17.82	APR 16.82		0.35		1.08		0.06		0.343		0.09	0.15
APR 18.82	APR 17.82		0.00		0.18		0.06		0.048	<W	0.01	0.06
APR 19.82	APR 18.82		0.10		0.82		0.02		0.244	<W	0.01	0.02
APR 20.82	APR 19.82		0.23		1.15		0.02		0.176	<T	0.01	0.02
APR 21.82	APR 20.82		0.00		1.48		0.00		0.471	<T	0.01	0.00
APR 22.82	APR 21.82		0.00		1.26		0.05		0.413		0.02	0.06
APR 23.82	APR 22.82		******		1.70		0.13		0.505		0.02	0.14
APR 24.82	APR 23.82		0.96		1.26		0.22		0.378		0.09	0.31
APR 25.82	APR 24.82		0.77		1.86		0.19		0.583		0.13	0.32
APR 26.82	APR 25.82		0.21		0.95		0.03		0.253		0.02	0.04
APR 27.82	APR 26.82		0.08		1.67		0.04		0.354		0.02	0.06
APR 28.82	APR 27.82		3.51		1.76		0.00		0.526	<T	0.01	0.00
APR 29.82	APR 28.82		1.53		2.43		0.22		0.391		0.05	0.27
APR 30.82	APR 29.82		4.41		3.38		0.33		0.974		0.09	0.42
MAY 1.82	APR 30.82		2.62		4.73		0.46		1.312		0.26	0.71
MAY 2.82	MAY 1.82		0.49		1.00		0.15		0.265		0.07	0.22
MAY 3.82	MAY 2.82		1.73		1.67		0.15		0.443		0.07	0.22
MAY 4.82	MAY 3.82		2.59		7.13		0.35		1.956		0.24	0.59
MAY 5.82	MAY 4.82	U	0.00	U	9.82	U	0.00	U	1.888	U	0.71	******
MAY 6.82	MAY 5.82	U	4.52	U	9.31	U	0.38	U	2.728	U	0.07	******
MAY 7.82	MAY 6.82		0.11		0.85		0.04		0.159		0.05	0.09
MAY 8.82	MAY 7.82		0.00		0.84		0.04		0.178		0.05	0.09
MAY 9.82	MAY 8.82		0.00		1.17		0.03		0.259	<T	0.01	0.04
MAY 10.82	MAY 9.82		0.00		1.38		0.11		0.294		0.06	0.17
MAY 11.82	MAY 10.82		0.32		2.16		0.14		0.517	<T	0.01	0.14
MAY 12.82	MAY 11.82		0.00		0.17		0.00		0.018	<W	0.01	0.00
MAY 13.82	MAY 12.82		0.00		0.46		0.00		0.108	<W	0.01	0.00
MAY 14.82	MAY 13.82		0.83		0.12		0.07		0.027	<W	0.01	0.07
MAY 15.82	MAY 14.82		1.47		7.28		0.42		1.663		0.02	0.44
MAY 16.82	MAY 15.82		2.93		9.72		0.53		1.765	<W	0.01	0.53
MAY 17.82	MAY 16.82		0.18		0.42		0.17		0.034	<W	0.01	0.17
MAY 18.82	MAY 17.82		0.19		3.94		0.14		0.699	<W	0.01	0.14
MAY 19.82	MAY 18.82		0.00		0.58		0.00		0.101	<W	0.01	0.00
MAY 20.82	MAY 19.82		0.00	<W	0.05		0.00	<W	0.002	<W	0.01	0.00
MAY 21.82	MAY 20.82		0.14		0.72		0.02		0.121		0.01	0.04

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : FERNBERG/DAILY/AIR #04

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
MAY 22.82	MAY 21.82	800	800	1	26610.0	95412	2	1		
MAY 23.82	MAY 22.82	800	800	1	24400.0	95413	2	1		
MAY 24.82	MAY 23.82	800	800	1	23920.0	95414	2	1		
MAY 25.82	MAY 24.82	800	800	1	23400.0	95416	2	1		
MAY 26.82	MAY 25.82	800	800	1	22980.0	95417	2	1		
MAY 27.82	MAY 26.82	800	800	1	26710.0	95418	2	1	I	
MAY 28.82	MAY 27.82	800	800	1	24200.0	95419	2	1		
MAY 29.82	MAY 28.82	800	800	1	19740.0	95420	2	1	R	
MAY 30.82	MAY 29.82	800	800	1	********	95421	2	1		
MAY 31.82	MAY 30.82	800	800	1	16240.0	95422	2	1		
JUN 1.82	MAY 31.82	800	800	1	22620.0	95423	2	1		
JUN 2.82	JUN 1.82	800	800	1	23410.1	95425	2	1		
JUN 3.82	JUN 2.82	800	800	1	27170.0	95426	2	1		
JUN 4.82	JUN 3.82	800	800	1	25150.0	95427	2	1		
JUN 5.82	JUN 4.82	800	800	1	26850.0	95428	2	1		
JUN 6.82	JUN 5.82	800	800	1	24830.0	95429	2	1		
JUN 7.82	JUN 6.82	800	800	1	23150.0	95430	2	1		
JUN 8.82	JUN 7.82	800	800	1	23440.0	95431	2	1		
JUN 9.82	JUN 8.82	800	800	1	25410.0	95433	2	1		
JUN 10.82	JUN 9.82	800	800	1	25770.0	95434	2	1		
JUN 11.82	JUN 10.82	800	800	1	24900.0	95435	2	1		
JUN 12.82	JUN 11.82	800	800	1	26960.0	95436	2	1		
JUN 13.82	JUN 12.82	800	800	1	25070.0	95437	2	1		
JUN 14.82	JUN 13.82	800	800	1	24220.0	95438	2	1		
JUN 15.82	JUN 14.82	800	800	1	22860.0	95439	2	1		
JUN 16.82	JUN 15.82	800	800	1	24810.0	95441	2	1		
JUN 17.82	JUN 16.82	800	800	1	24010.0	95442	2	1		
JUN 18.82	JUN 17.82	800	800	1	24750.0	95443	2	1		
JUN 19.82	JUN 18.82	800	800	1	26320.0	95444	2	1		
JUN 20.82	JUN 19.82	800	800	1	23270.0	95445	2	1		
JUN 21.82	JUN 20.82	800	800	1	23420.0	95446	2	1		
JUN 22.82	JUN 21.82	800	800	1	23980.0	95447	2	1		
JUN 23.82	JUN 22.82	800	800	1	24800.0	95449	2	1		
JUN 24.82	JUN 23.82	800	800	1	26290.0	95450	2	1		
JUN 25.82	JUN 24.82	800	800	1	23630.0	95451	2	1		
JUN 26.82	JUN 25.82	800	800	1	28480.0	95452	2	1		
JUN 27.82	JUN 26.82	800	800	1	25490.0	95453	2	1		
JUN 28.82	JUN 27.82	800	800	1	24640.0	95454	2	1		
JUN 29.82	JUN 28.82	800	800	1	25040.0	95455	2	1		
JUN 30.82	JUN 29.82	800	800	1	25420.0	95457	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : FERNBENG/DAILY/AIR #04

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
MAY 22,82	MAY 21,82	0.13		0.56		0.02	0.085	<W	0.01	0.02
MAY 23,82	MAY 22,82	4.51		1.28		0.06	0.147	<W	0.01	0.06
MAY 24,82	MAY 23,82	6.27		0.73		0.13	0.079	<W	0.01	0.13
MAY 25,82	MAY 24,82	3.12		3.63		0.18	0.620		0.02	0.20
MAY 26,82	MAY 25,82	0.02		4.06		0.39	1.733	<T	0.01	0.39
MAY 27,82	MAY 26,82	1.42		2.65		0.14	0.585	<T	0.01	0.14
MAY 28,82	MAY 27,82	3.02		3.23		0.31	1.204	<T	0.01	0.31
MAY 29,82	MAY 28,82	2.39	U	21.25		0.71	1.790	<W	0.01	0.71
MAY 30,82	MAY 29,82	******		******		******	******		******	******
MAY 31,82	MAY 30,82	0.10		0.58		0.12	0.000		0.02	0.14
JUN 1,82	MAY 31,82	0.49		0.75		0.04	0.125	<T	0.01	0.04
JUN 2,82	JUN 1,82	2.87		0.06		0.00	******		0.00	0.00
JUN 3,82	JUN 2,82	0.51		0.16		0.00	0.027	<T	0.01	0.00
JUN 4,82	JUN 3,82	0.95		0.73		0.07	0.196		0.01	0.07
JUN 5,82	JUN 4,82	0.89		2.49		0.25	0.651		0.09	0.34
JUN 6,82	JUN 5,82	1.90		2.04		0.23	0.515		0.03	0.25
JUN 7,82	JUN 6,82	2.04		5.98		0.34	1.597		0.02	0.36
JUN 8,82	JUN 7,82	2.57		1.09		0.07	0.274		0.02	0.09
JUN 9,82	JUN 8,82	0.00		0.42		0.01	0.083	<T	0.00	0.01
JUN 10,82	JUN 9,82	0.48		0.54		0.03	0.065	<W	0.01	0.03
JUN 11,82	JUN 10,82	0.23		0.70		0.05	0.126	<T	0.01	0.05
JUN 12,82	JUN 11,82	0.21		0.93		0.06	0.170	<W	0.01	0.06
JUN 13,82	JUN 12,82	0.49		0.50		0.05	0.093	<W	0.01	0.05
JUN 14,82	JUN 13,82	0.51		0.83		0.05	0.191	<W	0.01	0.05
JUN 15,82	JUN 14,82	0.25		0.82		0.07	0.150	<W	0.01	0.07
JUN 16,82	JUN 15,82	0.00		0.15		0.03	0.002	<W	0.01	0.03
JUN 17,82	JUN 16,82	0.20		0.36		0.05	0.070	<T	0.01	0.06
JUN 18,82	JUN 17,82	0.73		0.10		0.03	0.025	<W	0.01	0.03
JUN 19,82	JUN 18,82	0.43		0.14		0.02	0.024	<W	0.01	0.02
JUN 20,82	JUN 19,82	0.21		0.59		0.05	0.124	<W	0.01	0.05
JUN 21,82	JUN 20,82	4.03		0.64		0.03	0.146	<W	0.01	0.03
JUN 22,82	JUN 21,82	0.20		0.10	<T	0.01	0.024	<W	0.01	0.01
JUN 23,82	JUN 22,82	0.00		0.22		0.01	0.055	<W	0.01	0.01
JUN 24,82	JUN 23,82	1.50		0.96		0.19	0.166		0.04	0.23
JUN 25,82	JUN 24,82	0.83		0.65		0.02	0.164	<W	0.01	0.02
JUN 26,82	JUN 25,82	0.92		0.10		0.03	0.076	<W	0.01	0.03
JUN 27,82	JUN 26,82	1.42		0.70		0.06	0.186	<T	0.01	0.07
JUN 28,82	JUN 27,82	1.06		1.18		0.16	0.322		0.02	0.18
JUN 29,82	JUN 28,82	0.00		0.16		0.05	0.051	<W	0.01	0.05
JUN 30,82	JUN 29,82	0.00		0.15		0.00	0.030	<W	0.01	0.00

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : FERNBERG/DAILY/AIR #04

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
JUL 1.82	JUN 30.82	800	800	1	27970.0	95458	2	1		
JUL 2.82	JUL 1.82	800	800	1	25010.0	95459	2	1		
JUL 3.82	JUL 2.82	800	800	1	25690.0	95460	2	1		
JUL 4.82	JUL 3.82	800	800	1	23160.0	95461	2	1		
JUL 5.82	JUL 4.82	800	800	1	20790.0	95462	2	1		
JUL 6.82	JUL 5.82	800	800	1	21830.0	95463	2	1		
JUL 7.82	JUL 6.82	800	800	1	21990.0	95465	2	1		
JUL 8.82	JUL 7.82	800	800	1	27530.0	95466	2	1		
JUL 9.82	JUL 8.82	800	800	1	24730.0	95467	2	1		
JUL 10.82	JUL 9.82	800	800	1	24030.0	95468	2	1		
JUL 11.82	JUL 10.82	800	800	1	23290.0	95469	2	1		
JUL 12.82	JUL 11.82	800	800	1	22810.0	95470	2	1		
JUL 13.82	JUL 12.82	800	800	1	23210.0	95471	2	1		
JUL 14.82	JUL 13.82	800	800	1	22340.0	95473	2	1		
JUL 15.82	JUL 14.82	800	800	1	26300.0	95474	2	1		
JUL 16.82	JUL 15.82	800	800	1	22440.0	95475	2	1		
JUL 17.82	JUL 16.82	800	800	1	24320.0	95476	2	1		
JUL 18.82	JUL 17.82	800	800	1	24870.0	95477	2	1		
JUL 19.82	JUL 18.82	800	800	1	23670.0	95478	2	1		
JUL 20.82	JUL 19.82	800	800	1	23950.0	95479	2	1		
JUL 21.82	JUL 20.82	800	800	1	23310.0	95481	2	1		
JUL 22.82	JUL 21.82	800	800	1	26490.0	95482	2	1		
JUL 23.82	JUL 22.82	800	800	1	23260.0	95483	2	1		
JUL 24.82	JUL 23.82	800	600	1	22780.0	95484	2	1		
JUL 25.82	JUL 24.82	600	600	1	23460.0	95485	2	1		
JUL 26.82	JUL 25.82	600	600	1	24290.0	95486	2	1		
JUL 27.82	JUL 26.82	600	600	1	26960.0	95487	2	1		
JUL 28.82	JUL 27.82	600	600	1	25890.0	95489	2	1		
JUL 29.82	JUL 28.82	600	600	1	27150.0	95490	2	1		
JUL 30.82	JUL 29.82	600	600	1	23930.0	95491	2	1		
JUL 31.82	JUL 30.82	600	600	1	26870.0	95492	2	1		
AUG 1.82	JUL 31.82	600	600	1	24470.0	95493	2	1		
AUG 2.82	AUG 1.82	600	600	1	23740.0	95494	2	1		
AUG 3.82	AUG 2.82	600	600	1	23390.0	95495	2	1		
AUG 4.82	AUG 3.82	600	600	1	22460.0	95497	2	1		
AUG 5.82	AUG 4.82	600	600	1	25590.0	95498	2	1		
AUG 6.82	AUG 5.82	600	600	1	24060.0	95499	2	1		
AUG 7.82	AUG 6.82	600	600	1	24210.0	95500	2	1		
AUG 8.82	AUG 7.82	600	600	1	24190.0	95501	2	1		
AUG 9.82	AUG 8.82	600	600	1	22140.0	95502	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : FERNBERG/DAILY/AIR #04

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3		NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3		TOTL NO3 AS N UG/M**3
JUL 1.82	JUN 30.82	0.03	0.13		0.07	0.031	<W	0.01		0.07
JUL 2.82	JUL 1.82	0.00	0.70		0.07	0.131		0.03		0.10
JUL 3.82	JUL 2.82	1.20	4.71		0.42	0.747		0.26		0.68
JUL 4.82	JUL 3.82	0.00	4.53		0.23	0.871	<W	0.01		0.23
JUL 5.82	JUL 4.82	0.04	4.09		0.16	0.514	<W	0.01		0.15
JUL 6.82	JUL 5.82	0.50	3.15		0.22	0.503		0.13		0.35
JUL 7.82	JUL 6.82	0.00	0.85		0.09	0.125	<T	0.01		0.10
JUL 8.82	JUL 7.82	1.18	0.14		0.02	0.034	<W	0.01		0.02
JUL 9.82	JUL 8.82	1.04	0.25		0.10	0.015	<T	0.01		0.11
JUL 10.82	JUL 9.82	0.93	0.52		0.05	0.078	<T	0.01		0.06
JUL 11.82	JUL 10.82	0.67	0.48		0.06	0.139	<W	0.01		0.04
JUL 12.82	JUL 11.82	0.69	0.22		0.06	0.032	<T	0.01		0.06
JUL 13.82	JUL 12.82	0.39	0.81		0.09	0.120		0.02		0.11
JUL 14.82	JUL 13.82	0.00	0.95		0.04	0.100	<W	0.01		0.04
JUL 15.82	JUL 14.82	0.63	0.14		0.02	0.021	<W	0.01		0.02
JUL 16.82	JUL 15.82	1.34	6.46		0.17	1.433	<W	0.01		0.17
JUL 17.82	JUL 16.82	1.10	5.59		0.28	1.417	<W	0.01		0.28
JUL 18.82	JUL 17.82	1.88	1.26		0.09	0.239		0.03		0.12
JUL 19.82	JUL 18.82	******	0.11		0.03	0.030	<W	0.01		0.03
JUL 20.82	JUL 19.82	2.92	0.47		0.04	0.119		0.01		0.05
JUL 21.82	JUL 20.82	0.00	2.41		0.17	0.618	<W	0.01		0.17
JUL 22.82	JUL 21.82	0.00	0.28	<T	0.01	0.072	<W	0.01		0.00
JUL 23.82	JUL 22.82	0.47	0.21	<W	0.01	0.052	<W	0.01		0.00
JUL 24.82	JUL 23.82	0.92	0.61	<W	0.01	0.165	<W	0.01		0.00
JUL 25.82	JUL 24.82	1.75	3.84		0.11	1.085	<W	0.01		0.11
JUL 26.82	JUL 25.82	0.32	0.98		0.09	0.124	<W	0.01		0.09
JUL 27.82	JUL 26.82	0.04	0.32		0.02	0.034	<W	0.01		0.02
JUL 28.82	JUL 27.82	0.00	0.63		0.07	0.170	<W	0.01		0.07
JUL 29.82	JUL 28.82	0.12	0.69		0.05	0.100	<W	0.01		0.05
JUL 30.82	JUL 29.82	0.14	0.42		0.05	0.124	<W	0.01		0.05
JUL 31.82	JUL 30.82	0.62	0.60		0.05	0.196		0.02		0.07
AUG 1.82	JUL 31.82	0.41	1.07		0.09	0.211		0.06		0.15
AUG 2.82	AUG 1.82	0.99	0.89		0.06	0.141		0.02		0.08
AUG 3.82	AUG 2.82	0.57	0.91		0.06	0.310		0.02		0.08
AUG 4.82	AUG 3.82	0.00	3.26		0.14	0.522	<T	0.01		0.14
AUG 5.82	AUG 4.82	0.00	0.81		0.07	0.122	<W	0.01		0.07
AUG 6.82	AUG 5.82	0.00	1.18		0.07	0.330	<W	0.01		0.07
AUG 7.82	AUG 6.82	0.00	1.11		0.04	0.292	<W	0.01		0.04
AUG 8.82	AUG 7.82	0.00	1.53		0.03	0.343	<W	0.01		0.03
AUG 9.82	AUG 8.82	0.00	1.05		0.09	0.187	<W	0.01		0.08

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : FERNBERG/DAILY/AIR #04 PAGE : 11

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME (L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
AUG 10.82	AUG 9.82	600	600	1	23510.0	95503	2	1		
AUG 11.82	AUG 10.82	600	600	1	25040.0	95506	2	1		
AUG 12.82	AUG 11.82	600	600	1	25990.0	95507	2	1		
AUG 13.82	AUG 12.82	600	600	1	26320.0	95508	2	1		
AUG 14.82	AUG 13.82	600	600	1	24280.0	95509	2	1		
AUG 15.82	AUG 14.82	600	600	1	23940.0	95510	2	1		
AUG 16.82	AUG 15.82	600	600	1	23570.0	95511	2	1		
AUG 17.82	AUG 16.82	600	600	1	25180.0	95512	2	1		
AUG 18.82	AUG 17.82	600	600	1	22820.0	95513	2	1		
AUG 19.82	AUG 18.82	600	600	1	23890.0	95514	2	1		
AUG 20.82	AUG 19.82	600	600	1	25560.0	95515	2	1		
AUG 21.82	AUG 20.82	600	600	1	25660.0	95516	2	1		
AUG 22.82	AUG 21.82	600	600	1	23200.0	95517	2	1		
AUG 23.82	AUG 22.82	600	600	1	22430.0	95518	2	1		
AUG 24.82	AUG 23.82	600	600	1	24870.0	95519	2	1		
AUG 25.82	AUG 24.82	600	600	1	23460.0	95522	2	1		
AUG 26.82	AUG 25.82	600	600	1	25970.0	95523	2	1		
AUG 27.82	AUG 26.82	600	600	1	28280.0	95524	2	1		
AUG 28.82	AUG 27.82	600	600	1	26170.0	95525	2	1		
AUG 29.82	AUG 28.82	600	600	1	24240.0	95526	2	1		
AUG 30.82	AUG 29.82	600	600	1	23220.0	95527	2	1		
AUG 31.82	AUG 30.82	600	600	1	25640.0	95528	2	1	A	
SEP 1.82	AUG 31.82	600	600	1	20030.0	95530	2	1		
SEP 2.82	SEP 1.82	600	600	1	24140.0	95531	2	1		
SEP 3.82	SEP 2.82	600	600	1	23910.0	95532	2	1		
SEP 4.82	SEP 3.82	600	600	1	26410.0	95533	2	1		
SEP 5.82	SEP 4.82	600	600	1	24690.0	95534	2	1		
SEP 6.82	SEP 5.82	600	600	1	24100.0	95535	2	1		
SEP 7.82	SEP 6.82	600	600	1	24940.0	95536	2	1		
SEP 8.82	SEP 7.82	600	600	1	23890.0	95538	2	1	T	
SEP 9.82	SEP 8.82	600	600	1	23400.0	95539	2	1		
SEP 10.82	SEP 9.82	600	600	1	22810.0	95540	2	1		
SEP 11.82	SEP 10.82	600	600	1	21790.0	95541	2	1		
SEP 12.82	SEP 11.82	600	600	1	22970.0	95542	2	1		
SEP 13.82	SEP 12.82	600	600	1	21830.0	95543	2	1		
SEP 14.82	SEP 13.82	600	600	1	24080.0	95544	2	1		
SEP 15.82	SEP 14.82	600	600	1	25260.0	95546	2	1		
SEP 16.82	SEP 15.82	600	600	1	22820.0	95547	2	1		
SEP 17.82	SEP 16.82	600	600	1	24210.0	95548	2	1		
SEP 18.82	SEP 17.82	600	600	1	24810.0	95549	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APINS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : FERNBERG/DAILY/AIR #04

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
AUG 10.82	AUG 9.82	0.00	<=	0.03	0.08	0.031	<=	0.01	0.08
AUG 11.82	AUG 10.82	0.00		0.10	0.00	0.012		0.00	0.00
AUG 12.82	AUG 11.82	0.99		0.27	0.05	0.064	<T	0.01	0.05
AUG 13.82	AUG 12.82	0.60		0.36	0.08	0.075	<T	0.01	0.08
AUG 14.82	AUG 13.82	0.24		5.66	0.12	1.074	<T	0.01	0.12
AUG 15.82	AUG 14.82	0.80		3.53	0.09	0.661	<T	0.01	0.09
AUG 16.82	AUG 15.82	0.53	>	10.58	0.30	2.115	<T	0.01	0.10
AUG 17.82	AUG 16.82	0.6		0.53	0.04	0.132	<T	0.01	0.05
AUG 18.82	AUG 17.82	0.0	<T	0.03	0.06	0.106	<=	0.01	0.06
AUG 19.82	AUG 18.82	0.9		3.03	0.14	1.380	<=	0.01	0.14
AUG 20.82	AUG 19.82	0.2		0.34	0.04	0.171	<=	0.01	0.04
AUG 21.82	AUG 20.82	0.0		0.63	0.32	0.249	<=	0.01	0.32
AUG 22.82	AUG 21.82	0.00		0.70	0.03	0.204	<=	0.01	0.03
AUG 23.82	AUG 22.82	1.44		1.56	0.06	0.265	<=	0.01	0.06
AUG 24.82	AUG 23.82	0.37		0.20	0.01	0.114	<=	0.01	0.01
AUG 25.82	AUG 24.82	0.00		1.31	0.00	******	<=	0.01	0.00
AUG 26.82	AUG 25.82	0.72		0.47	0.06	******	<=	0.01	0.06
AUG 27.82	AUG 26.82	0.66		0.35	0.03	******	<=	0.01	0.03
AUG 28.82	AUG 27.82	0.33		0.18	0.02	******	<=	0.01	0.02
AUG 29.82	AUG 28.82	0.00		0.51	0.03	******	<=	0.01	0.03
AUG 30.82	AUG 29.82	0.00		1.28	0.06	******	<=	0.01	0.06
AUG 31.82	AUG 30.82	0.34		0.77	0.02	******	<=	0.01	0.02
SEP 1.82	AUG 31.82	0.00		0.86	0.02	0.144		0.00	0.02
SEP 2.82	SEP 1.82	0.06		0.83	0.07	0.221	<=	0.01	0.07
SEP 3.82	SEP 2.82	0.00		0.63	0.02	0.104	<=	0.01	0.02
SEP 4.82	SEP 3.82	0.00		0.33	0.01	0.073	<=	0.01	0.01
SEP 5.82	SEP 4.82	0.00		0.66	0.09	0.177		0.02	0.11
SEP 6.82	SEP 5.82	0.00		0.26	0.02	0.055	<=	0.01	0.02
SEP 7.82	SEP 6.82	0.00		0.25	0.01	0.029	<T	0.01	0.02
SEP 8.82	SEP 7.82	0.00		1.83	0.09	0.496	<=	0.01	0.09
SEP 9.82	SEP 8.82	0.33	>	10.68	0.28	1.788	<=	0.01	0.28
SEP 10.82	SEP 9.82	0.34	>	10.96	0.31	2.185	<=	0.01	0.31
SEP 11.82	SEP 10.82	0.50		9.49	0.10	2.021	<=	0.01	0.10
SEP 12.82	SEP 11.82	0.00		3.81	0.15	1.299		0.02	0.17
SEP 13.82	SEP 12.82	0.00		4.17	0.08	1.252	<=	0.01	0.08
SEP 14.82	SEP 13.82	0.00		0.21	0.01	0.055	<=	0.01	0.01
SEP 15.82	SEP 14.82	0.00		0.15	0.01	0.004	<=	0.01	0.01
SEP 16.82	SEP 15.82	0.00		0.44	0.04	0.071	<=	0.01	0.04
SEP 17.82	SEP 16.82	0.00		0.93	0.10	0.194		0.02	0.12
SEP 18.82	SEP 17.82	0.00		0.76	0.06	0.164	<=	0.01	0.06

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIDS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : FERNHEWG/DAILY/AIR #06 PAGE : 17

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIDS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
SEP 19.82	SEP 18.82	600	600	1	24650.0	95550	2	1		
SEP 20.82	SEP 19.82	600	600	1	22250.0	95551	2	1		
SEP 21.82	SEP 20.82	600	600	1	24770.0	95552	2	1		
SEP 22.82	SEP 21.82	600	600	1	26550.0	95554	2	1		
SEP 23.82	SEP 22.82	600	600	1	27760.0	95555	2	1		
SEP 24.82	SEP 23.82	600	600	1	24260.0	95556	2	1		
SEP 25.82	SEP 24.82	600	600	1	28720.0	95557	2	1		
SEP 26.82	SEP 25.82	600	600	1	27640.0	95558	2	1		
SEP 27.82	SEP 26.82	600	600	1	25600.0	95559	2	1		
SEP 28.82	SEP 27.82	600	600	1	25420.0	95560	2	1		
SEP 29.82	SEP 28.82	600	600	1	25580.0	95562	2	1		
SEP 30.82	SEP 29.82	600	600	1	25490.0	95563	2	1		
OCT 1.82	SEP 30.82	600	600	1	27610.0	95564	2	1		
OCT 2.82	OCT 1.82	600	600	1	24220.0	95565	2	1		
OCT 3.82	OCT 2.82	600	600	1	24950.0	95566	2	1		
OCT 4.82	OCT 3.82	600	600	1	26650.0	95567	2	1		
OCT 5.82	OCT 4.82	600	600	1	26450.0	95568	2	1		
OCT 6.82	OCT 5.82	600	600	1	27050.0	95570	2	1		
OCT 7.82	OCT 6.82	600	600	1	22990.0	95571	2	1		
OCT 8.82	OCT 7.82	600	600	1	22990.0	95572	2	1		
OCT 9.82	OCT 8.82	600	600	1	26560.0	95573	2	1		
OCT 10.82	OCT 9.82	600	600	1	24410.0	95574	2	1		
OCT 11.82	OCT 10.82	600	600	1	24160.0	95575	2	1		
OCT 12.82	OCT 11.82	600	600	1	23400.0	95576	2	1		
OCT 13.82	OCT 12.82	600	600	1	24440.0	95578	2	1		
OCT 14.82	OCT 13.82	600	600	1	25750.0	95579	2	1		
OCT 15.82	OCT 14.8?	600	600	1	27800.0	95580	2	1		
OCT 16.82	OCT 15.82	600	600	1	29010.0	95581	2	1		
OCT 17.82	OCT 16.82	600	600	1	28760.0	95582	2	1		
OCT 18.82	OCT 17.82	600	600	1	24020.0	95583	2	1		
OCT 19.82	OCT 18.82	600	600	1	25310.0	95584	2	1		
OCT 20.82	OCT 19.82	600	600	1	25770.0	95586	2	1		
OCT 21.82	OCT 20.82	600	600	1	27700.0	95587	2	1		
OCT 22.82	OCT 21.82	600	600	1	27820.0	95588	2	1		
OCT 23.82	OCT 22.82	600	600	1	28620.0	95589	2	1		
OCT 24.82	OCT 23.82	600	600	1	27540.0	95590	2	1		
OCT 25.82	OCT 24.82	600	600	1	25930.0	95591	2	1		
OCT 26.82	OCT 25.82	600	600	1	27530.0	95592	2	1		
NOV 2.82	OCT 26.82	600	600	1	194270.0	95594	2	1	A	?
NOV 24.82	NOV 23.82	600	600	1	21670.0	95596	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : FERNBERG/DAILY/AIR #04 PAGE : 14

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3		TOTL NO3 AS N UG/M**3
SEP 19.82	SEP 18.82	0.00		0.86		0.07		0.228		0.02		0.09
SEP 20.82	SEP 19.82	0.00		0.50		0.03		0.074	<W	0.01		0.03
SEP 21.82	SEP 20.82	0.00		0.20	<T	0.01		0.039	<W	0.01		0.01
SEP 22.82	SEP 21.82	0.00		0.33		0.04		0.104	<W	0.01		0.04
SEP 23.82	SEP 22.82	0.53		1.30		0.10		0.287		0.04		0.17
SEP 24.82	SEP 23.82	0.00		2.11		0.09		0.460		0.08		0.17
SEP 25.82	SEP 24.82	1.68		0.09	<T	0.00		0.019	<T	0.01		0.01
SEP 26.82	SEP 25.82	7.18		0.23		0.02		0.056	<W	0.01		0.02
SEP 27.82	SEP 26.82	0.00		2.98		0.12		0.826		0.15		0.27
SEP 28.82	SEP 27.82	0.06		1.86		0.15		0.935		0.11		0.26
SEP 29.82	SEP 28.82	0.44	>	9.77		0.33	>	1.939	<W	0.01		0.33
SEP 30.82	SEP 29.82	0.19		4.35		0.10		1.065		0.05		0.15
OCT 1.82	SEP 30.82	0.00		0.81		0.04		0.227	<W	0.01		0.04
OCT 2.82	OCT 1.82	1.45		0.43		0.02		0.075		0.02		0.04
OCT 3.82	OCT 2.82	0.32		0.90		0.05		0.000	<W	0.01		0.05
OCT 4.82	OCT 3.82	0.68		1.92		0.12		0.512	<T	0.01		0.12
OCT 5.82	OCT 4.82	1.19		1.56		0.10		0.172		0.03		0.13
OCT 6.82	OCT 5.82	0.00		0.74		0.04		0.169		0.02		0.06
OCT 7.82	OCT 6.82	0.33		1.31		0.03		0.256		0.02		0.05
OCT 8.82	OCT 7.82	0.48		0.27		0.01		0.027		0.02		0.03
OCT 9.82	OCT 8.82	0.00		0.47		0.02		0.046	<W	0.01		0.02
OCT 10.82	OCT 9.82	0.45		1.13		0.03		0.220	<W	0.01		0.03
OCT 11.82	OCT 10.82	0.04		1.35		0.12		0.368		0.02		0.14
OCT 12.82	OCT 11.82	0.04		0.64		0.01		0.067	<W	0.01		0.01
OCT 13.82	OCT 12.82	0.00		0.39		0.00		0.026		0.02		0.02
OCT 14.82	OCT 13.82	0.04		1.92		0.04		0.132	<W	0.01		0.04
OCT 15.82	OCT 14.82	0.40		0.52		0.04		0.048		0.01		0.05
OCT 16.82	OCT 15.82	0.38		0.80		0.00		0.052	<W	0.00		0.00
OCT 17.82	OCT 16.82	0.15		1.07		0.00		0.134	<W	0.00		0.00
OCT 18.82	OCT 17.82	0.60		1.23		0.13		0.333		0.18		0.31
OCT 19.82	OCT 18.82	0.30		1.01		0.06		0.089		0.17		0.24
OCT 20.82	OCT 19.82	0.00		0.05		0.00		0.021		0.00		0.00
OCT 21.82	OCT 20.82	0.00		0.57		0.00		0.151	<W	0.01		0.00
OCT 22.82	OCT 21.82	0.19		1.10		0.04		0.312		0.02		0.08
OCT 23.82	OCT 22.82	1.23		1.51		0.28		0.496		0.27		0.54
OCT 24.82	OCT 23.82	4.05		2.88		0.32		1.121		0.59		0.92
OCT 25.82	OCT 24.82	6.77		5.73		0.36		1.949		0.36		0.92
OCT 26.82	OCT 25.82	3.44		4.88		0.31		1.625		0.44		0.75
NOV 2.82	OCT 26.82	3.38		2.87		0.24	>	0.256		0.11		0.35
NOV 24.82	NOV 23.82	0.51		0.69		0.04		0.143		0.06		0.10

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : FERNBERG/DAILY/AIR 806 PAGE : 15

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME (L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
NOV 25.82	NOV 24.82	600	600	1	25100.0	95597	2	1		
NOV 26.82	NOV 25.82	600	600	1	26740.0	95598	2	1		
NOV 27.82	NOV 26.82	600	600	1	27860.0	95599	2	1		
NOV 28.82	NOV 27.82	600	600	1	25470.0	95600	2	1		
NOV 29.82	NOV 28.82	600	600	1	25320.0	95601	2	1		
NOV 30.82	NOV 29.82	600	600	1	24030.0	95602	2	1		
DEC 1.82	NOV 30.82	600	600	1	20670.0	95604	2	1		
DEC 2.82	DEC 1.82	600	600	1	21230.0	95605	2	1		
DEC 3.82	DEC 2.82	600	600	1	21990.0	95606	2	1		
DEC 4.82	DEC 3.82	600	600	1	25420.0	95607	2	1		
DEC 5.82	DEC 4.82	600	600	1	24440.0	95608	2	1		
DEC 6.82	DEC 5.82	600	600	1	24020.0	95609	2	1		
DEC 7.82	DEC 6.82	600	600	1	26020.0	95610	2	1		
DEC 8.82	DEC 7.82	600	600	1	26170.0	95612	2	1		
DEC 9.82	DEC 8.82	600	600	1	28880.0	95613	2	1		
DEC 10.82	DEC 9.82	600	600	1	28990.0	95614	2	1		
DEC 11.82	DEC 10.82	600	600	1	27860.0	95615	2	1		
DEC 12.82	DEC 11.82	600	600	1	28170.0	95616	2	1		
DEC 13.82	DEC 12.82	600	600	1	26690.0	95617	2	1		
DEC 14.82	DEC 13.82	600	600	1	25740.0	95618	2	1		
DEC 15.82	DEC 14.82	600	600	1	24050.0	95620	2	1		
DEC 16.82	DEC 15.82	600	600	1	24840.0	95621	2	1		
DEC 17.82	DEC 16.82	600	600	1	25880.0	95622	2	1		
DEC 18.82	DEC 17.82	600	600	1	23120.0	95623	2	1		
DEC 19.82	DEC 18.82	600	600	1	21810.0	95624	2	1		
DEC 20.82	DEC 19.82	600	600	1	24260.0	95625	2	1		
DEC 21.82	DEC 20.82	600	600	1	24750.0	95626	2	1		
DEC 22.82	DEC 21.82	600	600	1	23230.0	95628	2	1		
DEC 23.82	DEC 22.82	600	600	1	21780.0	95629	2	1		
DEC 24.82	DEC 23.82	600	600	1	20770.0	95630	2	1		
DEC 25.82	DEC 24.82	600	600	1	22240.0	95631	2	1		
DEC 26.82	DEC 25.82	600	600	1	23380.0	95632	2	1		
DEC 27.82	DEC 26.82	600	600	1	25810.0	95633	2	1		
DEC 28.82	DEC 27.82	600	600	1	24020.0	95634	2	1		
DEC 29.82	DEC 28.82	600	600	1	26740.0	95636	2	1		
DEC 30.82	DEC 29.82	600	600	1	26500.0	95637	2	1		
JAN 1.83	DEC 30.82	600	600	1	50800.0	95638	2	1	A	7

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : FERNBERG/DAILY/AIR #04

REMOVAL DATE	EXPOSURE DATE		SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
NOV 25.82	NOV 24.82		1.77	1.30	0.05	0.330		0.17	0.22
NOV 26.82	NOV 25.82		0.28	0.61	0.02	0.149		0.02	0.04
NOV 27.82	NOV 26.82		0.27	0.50	0.02	0.161		0.02	0.04
NOV 29.82	NOV 27.82		2.40	0.83	0.06	0.380		0.29	0.36
NOV 29.82	NOV 28.82		4.51	1.58	0.22	0.874		0.52	0.74
NOV 30.82	NOV 29.82		3.09	2.70	0.41	1.558		0.42	1.23
DEC 1.82	NOV 30.82		1.02	1.81	0.25	0.569	<W	0.01	0.25
DEC 2.82	DEC 1.82		0.83	2.00	0.24	0.651	<T	0.01	0.24
DEC 3.82	DEC 2.82		0.20	0.68	0.11	0.281	<T	0.01	0.12
DEC 4.82	DEC 3.82		0.43	1.72	0.08	0.485	<W	0.01	0.08
DEC 5.82	DEC 4.82		0.99	2.20	0.09	0.656	<W	0.01	0.09
DEC 6.82	DEC 5.82		0.87	1.25	0.15	0.451	<W	0.01	0.15
DEC 7.82	DEC 6.82		1.19	1.30	0.03	0.193	<W	0.01	0.03
DEC 8.82	DEC 7.82		0.80	0.72	0.03	0.190	<W	0.01	0.03
DEC 9.82	DEC 8.82		0.73	0.61	0.02	0.117		0.02	0.03
DEC 10.82	DEC 9.82		2.68	1.03	0.05	0.293		0.19	0.24
DEC 11.82	DEC 10.82		1.35	0.76	0.03	0.175		0.02	0.04
DEC 12.82	DEC 11.82		0.39	0.80	0.03	0.216		0.03	0.05
DEC 13.82	DEC 12.82		1.28	1.50	0.05	0.473		0.35	0.39
DEC 14.82	DEC 13.82		1.33	1.40	0.04	0.123		0.93	0.97
DEC 15.82	DEC 14.82		0.28	0.73	0.08	0.170		0.00	0.08
DEC 16.82	DEC 15.82		1.07	1.01	0.09	0.241		0.00	0.09
DEC 17.82	DEC 16.82		1.29	1.55	0.07	0.258		0.00	0.07
DEC 18.82	DEC 17.82		1.44	5.23	0.29	1.807		0.91	1.20
DEC 19.82	DEC 18.82		1.07	3.38	0.49	1.292		0.23	0.72
DEC 20.82	DEC 19.82		0.96	1.70	0.05	0.288		0.00	0.05
DEC 21.82	DEC 20.82	<W	0.14	1.16	0.03	0.155		0.00	0.03
DEC 22.82	DEC 21.82		0.29	1.13	0.11	0.334		0.00	0.11
DEC 23.82	DEC 22.82		1.99	2.58	0.37	0.725		0.11	0.49
DEC 24.82	DEC 23.82		3.37	1.63	0.14	0.145	<W	0.01	0.14
DEC 25.82	DEC 24.82		0.30	1.18	0.22	0.265	<W	0.01	0.22
DEC 26.82	DEC 25.82		0.71	1.71	0.12	0.134	<W	0.01	0.12
DEC 27.82	DEC 26.82		1.68	0.34	0.12	0.205		0.09	0.21
DEC 28.82	DEC 27.82		1.25	1.46	0.14	0.740		0.44	0.58
DEC 29.82	DEC 28.82		0.82	1.50	0.03	0.154	<T	0.01	0.04
DEC 30.82	DEC 29.82		3.09	1.37	0.03	0.195	<W	0.01	0.03
JAN 1.83	DEC 30.82		2.92	2.28	0.37	0.954		0.33	0.70